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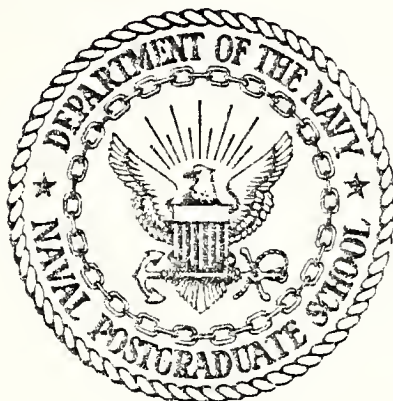
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IMPROVED CONFIDENCE INTERVALS FOR THE RATIO
OF THE VARIANCES AND STANDARD DEVIATIONS
FROM TWO NORMAL POPULATIONS

Jeffrey Warren Clouse

NAVAL POSTGRADUATE SCHOOL

Monterey, California



THESIS

Improved Confidence Intervals for
the Ratio of the Variances and
Standard Deviations from Two
Normal Populations

by

Jeffrey Warren Clouse

December 1978

Thesis Advisor:

Robert R. Read

Approved for public release; distribution unlimited

T186243

REPORT DOCUMENTATION PAGE		READ INSTRUCTIONS BEFORE COMPLETING FORM
1. REPORT NUMBER	2. GOVT ACCESSION NO.	3. RECIPIENT'S CATALOG NUMBER
4. TITLE (and Subtitle) Improved Confidence Intervals for the Ratio of the Variances and Standard Deviations from Two Normal Populations		5. TYPE OF REPORT & PERIOD COVERED Master's Thesis: December 1978
7. AUTHOR(s) Jeffrey Warren Clouse		6. PERFORMING ORG. REPORT NUMBER
9. PERFORMING ORGANIZATION NAME AND ADDRESS Naval Postgraduate School Monterey CA 93940		8. CONTRACT OR GRANT NUMBER(s)
11. CONTROLLING OFFICE NAME AND ADDRESS Naval Postgraduate School Monterey CA 93940		10. PROGRAM ELEMENT, PROJECT, TASK AREA & WORK UNIT NUMBERS
14. MONITORING AGENCY NAME & ADDRESS (if different from Controlling Office) Naval Postgraduate School Monterey CA 93940		12. REPORT DATE December 1978
		13. NUMBER OF PAGES 286
		15. SECURITY CLASS. (of this report) UNCLASSIFIED
		15a. DECLASSIFICATION/DOWNGRADING SCHEDULE
16. DISTRIBUTION STATEMENT (of this Report) Approved for public release; distribution unlimited.		
17. DISTRIBUTION STATEMENT (of the abstract entered in Block 20, if different from Report)		
18. SUPPLEMENTARY NOTES		
19. KEY WORDS (Continue on reverse side if necessary and identify by block number)		
20. ABSTRACT (Continue on reverse side if necessary and identify by block number) Shortest confidence intervals for the ratio of two variances of normal populations are found as superior alternatives to the widely used equal tail confidence intervals. Extensive tables of high precision are presented which enable the user to easily construct shortest confidence intervals for the ratio of two variances, the ratio of two standard deviations and the shortest unbiased confidence interval for the ratio of two variances.		

Characteristics and improved performance of the alternative confidence intervals are discussed in detail and illustrated graphically, with an emphasis on the optimal distribution of complementary tail area between the upper and lower tails.

Improved Confidence Intervals for the Ratio
of the Variances and Standard Deviations
from Two Normal Populations

by

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Captain, United States Army
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Submitted in partial fulfillment of the
requirements for the degree of

MASTER OF SCIENCE IN OPERATIONS RESEARCH

from the

NAVAL POSTGRADUATE SCHOOL
December 1978

ABSTRACT

Shortest confidence intervals for the ratio of two variances of normal populations are found as superior alternatives to the widely used equal tail confidence intervals. Extensive tables of high precision are presented which enable the user to easily construct shortest confidence intervals for the ratio of two variances, the ratio of two standard deviations and the shortest unbiased confidence interval for the ratio of two variances. Characteristics and improved performance of the alternative confidence intervals are discussed in detail and illustrated graphically, with an emphasis on the optimal distribution of complementary tail area between the upper and lower tails.

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I. INTRODUCTION

A. PURPOSE

The purpose of this thesis is to provide tables to facilitate the construction of optimal confidence intervals for the ratio of the variances of random samples drawn from two independent normal populations. This thesis also discusses the characteristics of these intervals. The discussion is restricted to the classes of confidence intervals which are computed from the sums of the squared deviations of the observations from their means.

Scheffé [2] studied analytic properties of this question in 1942. This thesis is an application-oriented extension of his work.

B. BACKGROUND

The classical method of constructing confidence intervals for the ratio of two variances from normal populations consists of splitting the tails of the appropriate F distribution evenly. One might conjecture that this method has survived through time because of the availability of published F distribution tables, the simplicity of its computation and its resemblance to other evenly split tail schemes. Indeed, when the degrees of freedom of the F distribution are sufficiently large, the classical method yields adequate results for most applications. When the degrees of freedom are small, however, this method results in confidence intervals which are much larger than is necessary.

This thesis describes three classes of confidence intervals which are shorter than the classical ones. Characteristics associated with the shortest intervals are examined in detail and illustrated graphically.

C. IMPROVED CONFIDENCE INTERVALS

Three notions of optimality are treated herein; minimum length for the ratio of variances, minimum length for the ratio of standard deviations and shortest unbiased confidence intervals which Scheffé has shown to be the same criterion as the minimum of the logarithm of the ratio of the variances. These choices are natural, but arbitrary. Other choices could be made also. It is reasonable to assume, however, that the practitioner will prefer a shorter interval to a longer one, and that he will prefer an unbiased one. This thesis concerns itself with finding and recording values with which these classes of optimal confidence intervals can be constructed.

D. CONTENTS OF THESIS

This thesis is divided into four sections. Section I is the introduction. Section II contains the discussion of the statistical statement of the problem and the mathematical solution to it. Section III discusses the accuracy of the tabled values found in Appendix A. These values are the solutions to the optimal length confidence interval problem. Section IV contains conclusions on properties of these intervals along with guidelines for practitioners in applying them.

There are also three appendices. Appendix A contains the tabled values which can be used to construct the shortest length confidence intervals. Appendix B contains graphs of situations illustrating various properties of the criteria chosen. Finally, Appendix C contains the algorithm and the mathematical derivations used in computing the optimal values tabled in Appendix A.

II. DISCUSSION OF LOGIC AND METHODOLOGY

A. MINIMUM LENGTH CONFIDENCE INTERVALS FOR THE RATIO OF TWO VARIANCES AND TWO STANDARD DEVIATIONS

Assume that $\{X_1, X_2, \dots, X_{M+1}\}$ and $\{Y_1, Y_2, \dots, Y_{N+1}\}$ are two independent random samples from normal populations. The number of observations in each sample is $M+1$ and $N+1$ respectively.

Let γ be an arbitrary level of confidence. It is bounded below by 0 and above by 1. S_{XX} and S_{YY} are defined as

$$S_{XX} = \sum_{i=1}^{M+1} (X_i - \bar{X})^2$$

$$S_{YY} = \sum_{i=1}^{N+1} (Y_i - \bar{Y})^2$$

where

$$\bar{X} = \frac{\sum_{i=1}^{M+1} X_i}{M+1} \quad \text{and} \quad \bar{Y} = \frac{\sum_{i=1}^{N+1} Y_i}{N+1}$$

are the sample means. Let

$$s_x^2 = \frac{S_{XX}}{M} \quad \text{and} \quad s_y^2 = \frac{S_{YY}}{N}$$

Under these assumptions, it is well known that the statistic

$$\frac{s_x^2}{\sigma_x^2} \bigg/ \frac{s_y^2}{\sigma_y^2}$$

is an 'F' random variable with M and N degrees of freedom.¹

To construct a confidence interval for σ_y^2/σ_x^2 , two numbers C1 and C2 are chosen such that

$$\int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

where $h_{M,N}(x)$ is the F probability density function. Once these values are selected, they are substituted into the probability statement

$$P(C1 \leq \frac{s_x^2}{\sigma_x^2} \bigg/ \frac{s_y^2}{\sigma_y^2} \leq C2) = \gamma$$

Manipulating through algebra within the parenthesis, one obtains

$$P(\frac{s_y^2}{s_x^2} \cdot C1 \leq \frac{\sigma_y^2}{\sigma_x^2} \leq \frac{s_y^2}{s_x^2} \cdot C2) = \gamma$$

This expression yields the desired confidence interval

$$(\frac{s_y^2}{s_x^2} C1, \frac{s_y^2}{s_x^2} C2) \text{ with length } \frac{s_y^2}{s_x^2} (C2 - C1).$$

¹If the population means are known and are used in S_{XX} and S_{YY} , the degrees of freedom are M+1 and N+1.

As stated previously, C1 and C2 have historically been chosen such that

$$\int_0^{C1} h_{M,N}(x)dx = \int_{C2}^{\infty} h_{M,N}(x)dx = \frac{1-\gamma}{2}$$

This, of course, is the evenly split tails convention. It can be shown, however, that this method does not yield the optimal confidence interval.

The problem of finding the minimum length confidence interval is solved by applying a mathematical technique from the field of nonlinear programming. In essence, this nonlinear problem is

$$\text{MINIMIZE: } \frac{s_y^2}{s_x^2} (C2 - C1)$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

It is noted that the problem above is in reality a single variable line search. This becomes apparent when one chooses a value for C1, for then the value of C2 is fixed by the constraint. Thus, C1 is selected to serve as the independent decision variable. A single variable line search is then conducted over the interval $(0, H_{M,N}^{-1}(1-\gamma))$ where $H_{M,N}^{-1}(1-\gamma)$ is the inverse F distribution with M and N degrees of freedom. As C1 varies over this interval, C2 varies from $H_{M,N}^{-1}(\gamma)$ to infinity. By searching C1's interval, various pairs of (C1,C2) are obtained and used in

evaluating the derivative of the objective function. Where the derivative is zero, the objective function is minimized and the optimal values for C1 and C2 are then known.

When the criteria for optimality is changed from the ratio of variances to the ratio of standard deviations, the line search problem is the same as the ratio of variances except the objective function then has square roots in it. In other words, the problem is

$$\text{MINIMIZE: } \sqrt{\frac{s_y^2}{s_x^2}} (\sqrt{C2} - \sqrt{C1})$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

The logic and methodology in the above problem are the same as those in the ratio of variances and hence are omitted here.

A result of Scheffé [2] shows that reparameterizing with a logarithmic transformation and minimizing the length produces the shortest unbiased confidence interval for the ratio of two variances. The term "unbiased" as used here refers to Neyman's [1] notion of unbiasedness. Hence, in the context of this thesis, the unbiased nonlinear problem becomes

$$\text{MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma.$$

Again, as in the case of the minimum length confidence intervals for the ratio of two variances and the ratio of two standard deviations, the logic and methodology are the same, hence, again are omitted.

B. SUMMARY

This thesis contains the values necessary to construct the optimal confidence interval for the three parameterizations:

1) The ratio of two variances; 2) The ratio of two standard deviations and 3) The logarithm of the ratio of two variances. These values were obtained as solutions to the three nonlinear programming problems:

$$(1) \text{ MINIMIZE: } C2 - C1$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(2) \text{ MINIMIZE: } \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

$$(3) \text{ MINIMIZE: } \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_0^{C1} h_{M,N}(x)dx + \int_{C2}^{\infty} h_{M,N}(x)dx = 1 - \gamma$$

As a final note, the statistic $\frac{s_y^2}{s_x^2}$ was dropped from the objective functions. This quantity is a random variable, and although its value influences the length in a multiplicative way, it can not be altered and has no role in the optimization process.

III. DISCUSSION OF ACCURACY

The precision of the tabled values is rather variable. After much study, it was decided to print the values of C1 and C2 to six decimal places. This decision was reached only after all available information had been considered and evaluated carefully. The net result of this deliberating is an earnest belief that at least six significant digits are valid throughout. Since all values for C1 are less than one, and all values for C2 are greater than one, any inaccuracies of the printed values occur in C2. The supporting information follows.

The values in Appendix A were found from an optimizing algorithm which utilized four subroutines from the International Mathematical and Scientific Library. The routines were MDFDRE (the F probability distribution), MDFI (the inverse F probability distribution), MDBETI (the inverse incomplete beta distribution) and MDBETA (the incomplete beta probability distribution). These routines, as well as the optimizing algorithm, were programmed in double precision FORTRAN computer code which theoretically allowed for sixteen digit accuracy. These codes were executed on the IBM 360/67 computer located at the Naval Postgraduate School, Monterey, California.

The key to precise, accurate values from these programs was found in the incomplete beta probability distribution routine, for the other three routines called it for their primary values which they then transformed into the numbers they supplied to the optimizing algorithm. The incomplete beta probability

distribution routine was based upon Algorithm 179, the Incomplete Beta Ratio, of the Association for Computing Machinery. Tests which were independent of this thesis effort revealed that this algorithm had given accurate results to at least nine decimal places when compared to published values of the incomplete beta distribution.

Another check of the values supplied by the IMSL routines was conducted by first using the inverse F probability distribution program to find points which corresponded to a given probability. The F probability distribution program was then given these values in order to confirm the probabilities. Over 250 such tests were conducted with the known probabilities being reproduced accurately to eight decimal places. A wide range of points which were produced in this test were also fed into an independent F probability distribution program which was in the computer language of APL. These points again produced the known probabilities to within eight decimal place accuracy. By experimenting with these points, i.e., deleting the last digit from them and refeeding them into the APL program, results were obtained which implied that the points were good to at least six decimal places.

Finally, it was decided to check the values in Appendix A by comparing them to alternate solutions found from another optimizing algorithm. When a wide range of the published values of this thesis were compared to solutions found from the other algorithm which utilized the same routines, ten points out of

190 disagreed with each other and this occurred in the fifth decimal place of C2. These disagreements occurred repeatedly when the degrees of freedom were disproportionate, the first being much larger than the second (i.e., (9,1), (10,1), (25,1), (50,6), (60,7), etc.). Additional experimentation revealed that the discrepancies in C2 were caused by the nearly horizontal curve that the F cumulative distribution function assumed at high levels of probability. However, when the published values and their alternatives were tested in the independent, APL computer program of the F probability distribution, it was found that the published values satisfied the probability integral constraint better and gave a smaller confidence interval length.

In conclusion, for convenience of printing, it was decided to fix the values found in this thesis at six decimal places. This decision was not arrived at easily, but only after many hours of study, deliberation and computer usage. This decision was based upon the accuracy of the incomplete beta probability distribution subroutine, the demonstrated preciseness of the other subroutines and the high satisfaction of the probability constraint by the published values. Although discrepancies in C2 were found in about 5% of the cases checked, they occur only in the last two decimal places of eight or more digit numbers, and do not affect the probability statements or the length of the confidence interval in any noticeable way.

IV. CONCLUSIONS

A. OPTIMAL LENGTH CONFIDENCE INTERVALS

Minimum length confidence intervals offer a significant reduction in interval length over the classical intervals which are obtained by splitting the tails evenly. The amount of reduction obtained is a function of the degrees of freedom of the F probability distribution. Examination of the published values for the minimum length confidence intervals reveals that if M is fixed at 1 or 2, essentially all of the alpha level probability ($\alpha = 1 - \gamma$), has to be placed in the upper tail, thus giving confidence intervals with lengths that are two to six times smaller than the lengths of the split tail intervals. When the first degree of freedom is larger than 2, however, the reduction in length becomes more dependent upon the second degree of freedom, N. This principle is illustrated in Figures 2 and 3. Figure 2 shows that if N is fixed, the savings in interval length is a slowly decreasing function with a relatively limited range. Figure 3 shows that if N varies, then the reduction ratio is a sharply increasing function which ranges roughly from 1.1 to 2. It should also be pointed out that after both degrees of freedom become larger than 10, the lengths of the shortest confidence intervals are very close to the lengths of the traditional ones.

Another trend which is observed in the minimum length confidence intervals is the distribution of the tail area of the

appropriate F probability distribution. The general principle is that the upper (or right-hand) tail is always heavily favored with probability over the lower (or left-hand) tail. As is true of reduction in interval length, the distribution of tail area is dependent upon both degrees of freedom. When the first degree of freedom is fixed at 1 or 2, again almost all of the tail area has to go into the upper tail. When M is larger than 2, the tail area is redistributed as a function of N. In other words, with M larger than 2, the amount of probability in the lower tail increases as N increases. An example of this effect is shown in Figure 4. Again, after the degrees of freedom are simultaneously larger than 10 (although the upper tail is still favored heavily over the lower tail), the amount of length reduction is relatively small.

A close study of the published values for the confidence intervals of the ratio of two standard deviations reveals that the same principles noted in the discussion above also applies to them. Figures 5, 6 and 7 illustrate this fact. Because of this repetition, further discussion of these intervals is omitted.

The shortest unbiased confidence intervals do not offer a significant reduction in interval length when compared to either the equal tail intervals or the minimum length intervals. However, the unbiased intervals are unbiased; a claim which neither of the other two classes of intervals can make.

There are two general principles one should note about these shortest unbiased intervals. First, the reduction in the

logarithms of their length as compared to the classical ones depends upon the values of the degrees of freedom, M and N . If M is greater than N , the reduction ratio is always greater than 1. As the value of N approaches that of M , the reduction ratio approaches the value of 1. When M equals N , the shortest unbiased interval is the classical equal tails interval. This result is attributed to Scheffé [2]. When N is larger than M , the reduction ratio increases toward an upper limit of approximately 1.1.

Second, the distribution of tail area of the appropriate F distribution also depends upon the values of M and N . If M is greater than N , the upper tail is favored with more area. If M is less than N , the lower tail has more area. Of course, if M equals N , neither tail is favored over the other which implies equal tail area.

B. GENERAL

Three classes of confidence intervals for the ratio of two variances have been discussed in this thesis. The class that the practitioner chooses to use will depend upon his value judgments concerning the trade-off between interval length and biasedness. The minimum length confidence intervals are highly biased in favor of higher false values of the parameter. The unbiased confidence intervals have the shortest length for the logarithm of the ratio of the variances. However, when these confidence intervals are converted to the confidence intervals for the ratio of the variances, they have greater length than the minimum length

intervals. The equal tails intervals have greater length than the minimum length intervals and are biased (but slightly) in favor of higher false values of the parameter. Figure 1 illustrates the power functions which result from converting the classes of confidence intervals discussed into their equivalent tests of hypothesis. In conclusion, the practitioner must decide which of the two factors -- power or interval length -- is more important to him and use the appropriate tabled values.

APPENDIX A

The following tables are the principle objective and result of this thesis. Seven levels of confidence are addressed -- .8, .9, .95, .975, .99, .995, .999 -- for the sets of degrees of freedom one through ten (by ones), twelve through twenty (by twos) and twenty-five through sixty (by fives). For each level of confidence, three tables appear; one for the minimum length confidence interval for the ratio of the variances, one for the minimum length confidence interval for the ratio of the standard deviations and a third for the shortest unbiased confidence interval.

Each table has five headings. "DF" means the degrees of freedom. The first number listed is the first degree of freedom (M) and is printed only at the beginning of each table. The second integer found is the second degree of freedom (N). N is printed for every row in the table. The columns labeled "C-1" and "C-2" contain the values which are solutions to the optimal length confidence interval problem. The column labeled "A-2/A-1" is the ratio of upper tail area to lower. The column labeled "Reduction" is the value of the ratio of the classical interval length to the shortest interval length. Minimum length confidence intervals are labeled as "coefficients" because in reality they must be multiplied by the test statistic, s_y^2/s_x^2 , to produce the true confidence interval length.

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	.472136	*	4.206
2	0.0	.555556	*	.0593
3	0.0	.68207	*	2.058
4	0.0	.750721	*	.0526
5	0.0	.78234	*	.056
6	0.0	.8073897	*	.0513
7	0.0	.82010	*	.0584
8	0.0	.831093	*	.05764
9	0.0	.8413768	*	.05748
10	0.0	.8512888	*	.05736
11	0.0	.8609325	*	.05728
12	0.0	.8703107	*	.05706
13	0.0	.8786920	*	.05690
14	0.0	.8869940	*	.05684
15	0.0	.8956528	*	.05680
16	0.0	.9032764	*	.05664
17	0.0	.9117198	*	.05660
18	0.0	.9206110	*	.05660
19	0.0	.929889	*	.05658
20	0.0	.9391689	*	.05658
21	0.0	.9483557	*	.05654
22	0.0	.9579152	*	.05653

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	12.000000	*	4.415
3	0.0	4.000000	*	.0523
4	0.0	2.886027	*	.0515
5	0.0	2.472136	*	.05106
6	0.0	2.259135	*	.0505
7	0.0	2.129928	*	.05076
8	0.0	2.043369	*	.05042
9	0.0	1.981395	*	.05017
10	0.0	1.934861	*	.04990
11	0.0	1.898648	*	.04984
12	0.0	1.865963	*	.04963
13	0.0	1.836493	*	.04948
14	0.0	1.782756	*	.04937
15	0.0	1.762319	*	.04929
16	0.0	1.746189	*	.04920
17	0.0	1.717643	*	.04910
18	0.0	1.698954	*	.04903
19	0.0	1.685768	*	.04897
20	0.0	1.675968	*	.04893
21	0.0	1.668397	*	.04890
22	0.0	1.662374	*	.04887
23	0.0	1.657466	*	.04885
24	0.0	1.653392	*	.04884

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0000005	13.0633931	8097165.0	4.089
1	0.0000210	4.156488	35780.4	2.160
2	0.0000793	2.936466	5282.5	1.773
3	0.001583	2.485798	5956.7	1.612
4	0.0024299	2.254640	11061.2	1.523
5	0.0032499	2.114760	700.2	1.468
6	0.004012	2.021240	518.0	1.430
7	0.004709	1.954400	412.1	1.402
8	0.005340	1.904290	344.4	1.381
9	0.005910	1.865349	298.0	1.364
10	0.006890	1.808796	239.4	1.340
11	0.007696	1.769731	204.4	1.322
12	0.008367	1.741144	181.4	1.300
13	0.008932	1.719325	165.2	1.292
14	0.009413	1.702128	153.3	1.278
15	0.010332	1.671745	133.8	1.269
16	0.011033	1.651895	122.2	1.253
17	0.011549	1.637912	114.5	1.238
18	0.011953	1.627532	109.0	1.233
19	0.012278	1.619522	104.9	1.225
20	0.012545	1.613153	100.7	1.217
25	0.012768	1.607968	99.2	1.214
30	0.012957	1.603666	97.1	1.217

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000596	13.644620	94196.4	4.076
1	0.005134	4.238660	1934.9	2.129
2	0.011592	3.961406	461.8	1.730
3	0.018002	2.491799	214.7	1.552
4	0.023774	2.251868	132.7	1.469
5	0.028816	2.107189	95.2	1.410
6	0.033133	2.010764	74.7	1.370
7	0.036969	1.942043	62.0	1.340
8	0.040264	1.890652	53.5	1.318
9	0.043150	1.850804	47.5	1.300
10	0.047943	1.793098	39.6	1.274
11	0.051751	1.753367	34.7	1.256
12	0.054839	1.724371	31.4	1.242
13	0.057391	1.702288	29.0	1.232
14	0.059532	1.684915	27.2	1.224
15	0.063627	1.654298	24.2	1.209
16	0.066539	1.634352	22.4	1.199
17	0.068715	1.620331	21.2	1.192
18	0.070401	1.609939	20.3	1.187
19	0.071746	1.601929	19.6	1.183
20	0.072844	1.595567	19.1	1.180
25	0.073756	1.590392	18.7	1.178
30	0.074527	1.586101	18.4	1.176

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.002855	14.009580	24935.4	4.065
6	0.014963	4.290596	809.1	2.112
7	0.028874	2.977324	220.0	1.707
8	0.041554	2.495602	108.3	1.535
9	0.052478	2.249891	69.0	1.440
10	0.061762	2.101923	50.4	1.379
11	0.069639	2.003412	40.0	1.338
12	0.076416	1.933265	33.5	1.307
13	0.082239	1.880847	29.1	1.284
14	0.087299	1.840227	25.9	1.266
15	0.091635	1.81443	21.7	1.239
16	0.102198	1.741000	19.1	1.220
17	0.107490	1.71499	17.3	1.206
18	0.111842	1.689040	16.0	1.187
19	0.115480	1.671377	15.0	1.173
20	0.122406	1.640260	13.4	1.125
25	0.127303	1.619993	12.4	1.106
30	0.130958	1.605730	11.7	1.095
35	0.133781	1.595195	11.2	1.085
40	0.136028	1.587060	10.8	1.074
45	0.137859	1.580598	10.5	1.064
50	0.139379	1.575343	10.3	1.054
55	0.140662	1.570985	10.1	1.043
60				1.039

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.006188	14.259872	43762.7	4.065
7	0.025634	4.326024	545.2	2.101
8	0.046075	3.987537	156.3	1.693
9	0.064011	3.497016	78.6	1.519
10	0.079135	3.246910	50.6	1.422
11	0.091944	3.096310	37.2	1.361
12	0.102721	2.996043	29.6	1.318
13	0.111896	2.924635	24.8	1.287
14	0.119776	2.871262	21.5	1.253
15	0.126603	2.829394	19.2	1.245
16	0.133781	2.770001	16.0	1.217
17	0.146623	2.728772	14.1	1.198
18	0.153708	2.698680	12.8	1.184
19	0.159525	2.675759	11.8	1.173
20	0.164385	2.657724	11.1	1.164
25	0.173362	2.625927	9.8	1.149
30	0.180152	2.605199	9.1	1.139
35	0.185009	2.590620	8.6	1.132
40	0.188763	2.579808	8.2	1.127
45	0.191750	2.571472	7.9	1.123
50	0.194194	2.564847	7.7	1.119
55	0.196204	2.559457	7.5	1.117
60	0.197908	2.554986	7.4	1.115

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	A-1	REDUCTION
7	0.009803	1.4.441986	9.98	4.39	4.062
8	0.035644	1.4.351508	9.98	4.39	4.062
9	0.061341	2.2.994291	9.98	4.39	4.062
10	0.083353	2.2.497024	9.98	4.39	4.062
11	0.102148	2.2.245421	9.98	4.39	4.062
12	0.117717	2.2.090649	9.98	4.39	4.062
13	0.130326	2.2.988830	9.98	4.39	4.062
14	0.141196	2.2.916358	9.98	4.39	4.062
15	0.151555	2.2.862211	9.98	4.39	4.062
16	0.161599	2.2.820005	9.98	4.39	4.062
17	0.171334	2.2.759095	9.98	4.39	4.062
18	0.180890	2.2.717084	9.98	4.39	4.062
19	0.189254	2.2.686389	9.98	4.39	4.062
20	0.199576	2.2.662986	9.98	4.39	4.062
21	0.205444	2.2.644556	9.98	4.39	4.062
22	0.216597	2.2.631202	9.98	4.39	4.062
23	0.224488	2.2.619078	9.98	4.39	4.062
24	0.230347	2.2.617582	9.98	4.39	4.062
25	0.233483	2.2.616471	9.98	4.39	4.062
26	0.238438	2.2.615614	9.98	4.39	4.062
27	0.244228	2.2.614933	9.98	4.39	4.062
28	0.248568	2.2.614337	9.98	4.39	4.062
29	0.252727	2.2.613911	9.98	4.39	4.062

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	A-1	REDUCTION
8	0.013298	1.4.580333	8.19	4.19	4.061
9	0.044430	2.4.970630	8.19	4.19	4.061
10	0.074475	2.4.989229	8.19	4.19	4.061
11	0.100148	2.2.496651	8.19	4.19	4.061
12	0.121566	2.2.239857	8.19	4.19	4.061
13	0.139437	2.2.085262	8.19	4.19	4.061
14	0.154462	2.2.982200	8.19	4.19	4.061
15	0.167216	2.2.908699	8.19	4.19	4.061
16	0.178149	2.2.853683	8.19	4.19	4.061
17	0.187610	2.2.810980	8.19	4.19	4.061
18	0.203132	2.2.749033	8.19	4.19	4.061
19	0.215311	2.2.706279	8.19	4.19	4.061
20	0.225107	2.2.675001	8.19	4.19	4.061
21	0.233151	2.2.651127	8.19	4.19	4.061
22	0.239870	2.2.633306	8.19	4.19	4.061
23	0.252647	2.2.599034	8.19	4.19	4.061
24	0.261685	2.2.577271	8.19	4.19	4.061
25	0.268413	2.2.561923	8.19	4.19	4.061
26	0.273614	2.2.550518	8.19	4.19	4.061
27	0.277755	2.2.544707	8.19	4.19	4.061
28	0.281129	2.2.534697	8.19	4.19	4.061
29	0.283932	2.2.528985	8.19	4.19	4.061
30	0.286297	2.2.524242	8.19	4.19	4.061

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	1	4	7	4
1	0.016519	4.688947	2239.5	4.059
2	0.052071	4.385470	552.4	2.088
3	0.085708	3.002230	106.1	2.675
4	0.114258	2.495264	54.2	2.457
5	0.138006	2.236434	35.1	2.358
6	0.157794	2.080390	25.5	2.335
7	0.174420	1.976108	20.0	2.359
8	0.188529	1.901744	14.7	2.259
9	0.200624	1.846034	10.4	2.234
10	0.211092	1.802756	8.3	2.215
11	0.228271	1.739901	7.0	2.186
12	0.241756	1.696456	6.0	2.166
13	0.252608	1.664629	5.3	2.155
14	0.261524	1.640306	4.7	2.140
15	0.268976	1.622111	4.4	2.133
16	0.273315	1.587122	4.0	2.116
17	0.279319	1.558713	3.6	2.105
18	0.280067	1.544931	3.3	2.098
19	0.306458	1.533744	3.0	2.093
20	0.311065	1.523833	2.7	2.088
21	0.314822	1.521555	2.5	2.082
22	0.317943	1.515279	2.3	2.080
23	0.320577	1.510396	2.1	2.080

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	1	14	6	4
1	0.019427	4.776457	6631.5	4.058
2	0.058698	4.397303	331.6	2.086
3	0.095346	3.004652	100.3	2.673
4	0.126311	2.494078	53.3	2.493
5	0.152022	2.233243	33.2	2.394
6	0.173430	2.075768	24.4	2.330
7	0.191413	1.970608	19.3	2.386
8	0.206676	1.895481	16.6	2.354
9	0.219762	1.839152	13.9	2.255
10	0.231091	1.795354	12.2	2.210
11	0.249694	1.731671	10.0	2.181
12	0.264507	1.687587	8.9	2.166
13	0.276076	1.655248	8.0	2.146
14	0.285751	1.630504	7.4	2.134
15	0.293842	1.610955	6.9	2.125
16	0.309250	1.576286	6.0	2.099
17	0.320172	1.553522	5.5	2.099
18	0.328314	1.537420	5.0	2.092
19	0.334616	1.525424	4.5	2.086
20	0.339639	1.516239	4.1	2.082
21	0.343756	1.508738	4.0	2.079
22	0.347142	1.502700	4.0	2.076
23	0.350017	1.497680	4.0	2.074

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12			59	40
1	0.0243359	14.908723	40.1	4.057
2	0.0695006	4.414965	306.8	2.083
3	0.1109003	3.007685	93.4	1.668
4	0.145691	2.491669	47.8	1.489
5	0.174522	2.227632	30.9	1.388
6	0.198518	2.067988	22.6	1.324
7	0.218681	1.961209	17.9	1.280
8	0.235805	1.884800	14.9	1.247
9	0.250498	1.827414	12.9	1.222
10	0.263229	1.782724	11.4	1.202
12	0.284160	1.717597	9.4	1.173
14	0.300631	1.672382	8.2	1.153
16	0.313916	1.639128	7.5	1.138
18	0.324854	1.613624	6.7	1.126
20	0.334013	1.593432	6.2	1.117
25	0.351489	1.557514	5.5	1.101
30	0.363905	1.533839	5.0	1.090
35	0.373178	1.517043	4.6	1.083
40	0.380368	1.504500	4.4	1.077
45	0.386105	1.494771	4.2	1.073
50	0.390789	1.487004	4.1	1.070
55	0.394685	1.480658	4.0	1.067
60	0.397978	1.475375	3.9	1.065

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14			55	71
1	0.028311	15.003915	71.1	4.057
2	0.077859	4.427500	293.1	2.083
3	0.122834	3.009376	89.5	1.665
4	0.160508	2.489450	45.8	1.486
5	0.191709	2.222970	29.6	1.385
6	0.217684	2.061636	21.6	1.321
7	0.239522	1.953574	17.7	1.276
8	0.258084	1.876131	14.4	1.243
9	0.274026	1.817884	12.2	1.213
10	0.287851	1.772457	10.8	1.198
12	0.310614	1.706122	8.9	1.168
14	0.328557	1.659949	7.7	1.148
16	0.343034	1.625909	6.9	1.132
18	0.355007	1.599745	6.3	1.119
20	0.365030	1.578990	5.9	1.111
25	0.384191	1.541966	5.1	1.095
30	0.397836	1.517477	4.6	1.084
35	0.409048	1.500053	4.3	1.077
40	0.415977	1.487010	4.1	1.071
45	0.422313	1.476876	3.9	1.067
50	0.427491	1.468771	3.8	1.064
55	0.431803	1.462141	3.7	1.061
60	0.435449	1.456614	3.6	1.058

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16				
1	0.031513	15.075691	5349.3	4.056
2	0.084495	4.436850	284.6	2.080
3	0.132237	3.011183	37.1	1.664
4	0.172166	2.487496	44.6	1.484
5	0.205229	2.219089	28.7	1.383
6	0.232765	2.056403	21.0	1.318
7	0.255933	1.947299	16.6	1.273
8	0.275641	1.869009	13.8	1.240
9	0.292584	1.810048	11.8	1.214
10	0.307290	1.764005	10.5	1.194
12	0.331536	1.696650	8.6	1.165
14	0.350680	1.649657	7.4	1.144
16	0.366172	1.614938	6.6	1.129
18	0.378963	1.588200	6.0	1.117
20	0.389702	1.566952	5.6	1.107
25	0.410272	1.528951	4.9	1.091
30	0.424955	1.503732	4.4	1.080
35	0.435964	1.485743	4.1	1.072
40	0.444526	1.472248	3.9	1.067
45	0.451375	1.461745	3.7	1.062
50	0.456980	1.455329	3.6	1.059
55	0.461651	1.446436	3.5	1.056
60	0.465604	1.440685	3.4	1.054

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18				
1	0.034145	15.131737	5204.8	4.056
2	0.089860	4.444089	279.0	2.080
3	0.139821	3.012085	85.4	1.663
4	0.182562	2.485795	45.7	1.482
5	0.215125	2.215832	29.2	1.381
6	0.244927	2.052040	20.6	1.316
7	0.269177	1.942074	16.2	1.271
8	0.289822	1.863077	13.4	1.238
9	0.307585	1.803515	11.8	1.212
10	0.323017	1.756951	10.2	1.192
12	0.348489	1.688725	8.4	1.162
14	0.368634	1.641025	7.2	1.141
16	0.384960	1.605715	6.4	1.126
18	0.398437	1.578475	5.9	1.114
20	0.409803	1.556793	5.4	1.105
25	0.431574	1.517924	4.7	1.088
30	0.447149	1.492052	4.3	1.077
35	0.458848	1.473552	3.9	1.069
40	0.467960	1.459646	3.7	1.064
45	0.475259	1.448802	3.5	1.059
50	0.481238	1.440105	3.4	1.056
55	0.486226	1.432972	3.3	1.053
60	0.490450	1.427013	3.2	1.051

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.036340	15.176712	51.05.1	4.056
25	0.094234	4.449858	275.1	2.079
30	0.146061	3.012732	84.3	1.662
35	0.189288	2.484318	43.1	1.481
40	0.225088	2.213070	27.8	1.380
45	0.254935	2.048356	20.3	1.315
50	0.280093	1.937667	16.0	1.270
55	0.301508	1.858070	13.2	1.236
60	0.319958	1.797997	11.4	1.211
100	0.335998	1.750986	10.0	1.190
120	0.362505	1.682008	8.2	1.160
140	0.383498	1.633693	7.1	1.139
160	0.400534	1.597866	6.3	1.122
180	0.414636	1.570184	5.7	1.103
200	0.426504	1.548117	5.2	1.085
250	0.449313	1.508474	4.6	1.074
300	0.465566	1.482014	4.1	1.067
350	0.477971	1.463051	3.8	1.061
400	0.487568	1.448770	3.6	1.057
450	0.495265	1.437618	3.4	1.053
500	0.503576	1.428660	3.3	1.050
550	0.506846	1.421305	3.2	1.048
600	0.511312	1.415155	3.1	1.048

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.040492	15.257971	4958.1	4.055
30	0.102548	4.460190	269.2	2.078
35	0.157633	3.013725	82.3	1.661
40	0.207673	2.481388	42.3	1.480
45	0.241783	2.207726	27.2	1.378
50	0.273594	2.041275	19.8	1.313
55	0.300436	1.929197	15.6	1.267
60	0.323343	1.848442	12.9	1.234
70	0.343100	1.787370	11.0	1.208
80	0.360307	1.739481	9.7	1.188
90	0.388809	1.669011	7.9	1.157
100	0.411452	1.619460	6.8	1.136
120	0.429880	1.582586	6.1	1.108
140	0.445175	1.553998	5.5	1.099
160	0.458078	1.531140	5.1	1.081
180	0.482970	1.489887	4.4	1.070
200	0.500900	1.462189	3.9	1.062
250	0.514444	1.442240	3.6	1.057
300	0.525043	1.427156	3.4	1.052
350	0.533567	1.415334	3.2	1.048
400	0.540574	1.405811	3.1	1.046
450	0.546436	1.397971	3.0	1.046
500	0.551414	1.391400	2.9	1.046

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.043404	1 5.312357	4881.2	4.055
	2 0.1108270	4.467039	266.1	2.078
	3 0.165712	3.014261	81.6	1.660
	4 0.213609	2.479235	41.7	1.479
	5 0.253323	2.203911	26.8	1.377
	6 0.286506	2.036217	19.5	1.312
	7 0.314541	1.923149	15.3	1.266
	8 0.338495	1.841558	12.7	1.232
	9 0.359183	1.779759	10.9	1.206
	10 0.377224	1.732224	9.5	1.186
	11 0.407164	1.659646	7.8	1.156
	12 0.431009	1.609166	6.7	1.134
	14 0.450460	1.571495	5.9	1.118
	16 0.466640	1.542212	5.4	1.106
	20 0.480317	1.518741	4.9	1.096
	25 0.500678	1.476224	4.3	1.075
	30 0.523924	1.447539	3.9	1.068
	35 0.540431	1.426795	3.5	1.060
	40 0.551816	1.411056	3.3	1.054
	45 0.556099	1.398683	3.1	1.049
	50 0.568557	1.388691	3.0	1.046
	55 0.574895	1.380446	2.9	1.043
	60 0.580287	1.373522	2.8	1.040

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.045553	1 5.351308	4835.9	4.055
	2 0.112463	4.471912	264.2	2.077
	3 0.171586	3.014581	81.0	1.660
	4 0.220878	2.477597	41.4	1.478
	5 0.261772	2.201042	26.6	1.376
	6 0.295969	2.032432	19.3	1.311
	7 0.324837	1.918622	15.2	1.265
	8 0.349622	1.836400	12.6	1.231
	9 0.371007	1.774048	10.8	1.206
	10 0.389675	1.725019	9.4	1.185
	12 0.420703	1.652586	7.7	1.154
	14 0.445465	1.601383	6.6	1.133
	16 0.465702	1.563086	5.8	1.117
	20 0.482566	1.533253	5.3	1.105
	25 0.496846	1.503293	4.9	1.093
	30 0.524546	1.465759	4.3	1.077
	35 0.544653	1.436270	3.7	1.066
	40 0.559934	1.414870	3.4	1.058
	45 0.571958	1.398565	3.2	1.052
	50 0.581672	1.388571	3.0	1.047
	55 0.589690	1.375363	2.9	1.044
	60 0.596423	1.366774	2.8	1.041
		1.359549	2.7	1.038

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.047204	15.380576	4807.0	4.055
2	0.115664	14.475556	263.00	2.077
3	0.176068	13.014787	80.7	1.659
4	0.226426	11.476313	41.2	1.478
5	0.268223	10.198814	26.4	1.376
6	0.303200	9.029497	19.2	1.310
7	0.332800	8.151110	15.1	1.265
8	0.358140	7.432394	12.5	1.231
9	0.380066	6.769608	10.7	1.205
10	0.399223	6.201900	9.4	1.184
12	0.431104	5.647078	7.6	1.154
14	0.456589	5.195295	6.3	1.132
16	0.477450	4.816493	5.8	1.116
18	0.494860	4.526215	5.2	1.104
20	0.509622	4.301857	4.8	1.094
25	0.538326	4.057486	4.1	1.076
30	0.559216	3.827327	3.7	1.065
35	0.575136	3.605378	3.4	1.057
40	0.587689	3.388632	3.1	1.051
45	0.597852	3.175405	2.8	1.046
50	0.606254	2.964678	2.8	1.042
55	0.613320	2.755793	2.7	1.039
60	0.619348	2.548308	2.6	1.037

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.048510	15.403374	4787.4	4.055
2	0.118189	14.478393	262.2	2.077
3	0.179599	13.014925	80.4	1.659
4	0.230798	11.475280	41.1	1.478
5	0.273310	10.197035	26.4	1.376
6	0.308904	9.027156	19.2	1.310
7	0.339047	8.122308	15.0	1.264
8	0.364870	7.429195	12.4	1.230
9	0.387229	6.766059	10.6	1.204
10	0.406778	6.216325	9.3	1.184
12	0.439346	5.642660	7.6	1.153
14	0.465416	5.190404	6.3	1.131
16	0.486784	4.81187	5.7	1.115
18	0.504640	4.520540	5.2	1.103
20	0.519799	4.305850	4.8	1.093
25	0.549330	4.050779	4.1	1.075
30	0.570876	3.820056	3.6	1.064
35	0.587332	3.597639	3.3	1.056
40	0.600333	3.380498	3.1	1.050
45	0.610876	3.166933	2.9	1.045
50	0.619607	2.955912	2.8	1.041
55	0.626960	2.746770	2.7	1.038
60	0.633240	2.539057	2.6	1.036

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.049569	15.421633	4773.4	4.055
2	0.120230	4.480641	261.6	2.077
3	0.182453	3.015023	80.2	1.659
4	0.234332	2.474433	41.0	1.478
5	0.277423	2.195382	26.3	1.376
6	0.313520	2.025245	19.1	1.310
7	0.344105	1.910020	15.0	1.264
8	0.370320	1.826582	12.4	1.230
9	0.393034	1.763157	10.6	1.204
10	0.412905	1.713163	9.3	1.183
12	0.446038	1.639040	7.6	1.153
14	0.472591	1.586389	6.5	1.131
16	0.494381	1.546824	5.7	1.115
18	0.512608	1.515867	5.2	1.102
20	0.528099	1.490898	4.7	1.093
25	0.558324	1.445232	4.0	1.075
30	0.580427	1.414025	3.6	1.063
35	0.597370	1.391205	3.3	1.055
40	0.610726	1.373722	3.1	1.049
45	0.622598	1.359862	2.9	1.044
50	0.630614	1.348584	2.8	1.040
55	0.638216	1.339216	2.7	1.037
60	0.644716	1.333102	2.6	1.035

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.050445	15.436585	4763.2	4.055
2	0.121914	4.482486	261.2	2.077
3	0.184807	3.015094	80.1	1.659
4	0.237247	2.473725	40.9	1.477
5	0.280818	2.194374	26.2	1.375
6	0.317330	2.023656	19.1	1.310
7	0.348282	1.908117	15.0	1.264
8	0.374825	1.824408	12.4	1.230
9	0.397834	1.760741	10.6	1.204
10	0.417974	1.710528	9.3	1.183
12	0.451581	1.636020	7.6	1.152
14	0.478540	1.583034	6.4	1.131
16	0.500685	1.543174	5.7	1.115
18	0.519226	1.511952	5.1	1.102
20	0.534999	1.486744	4.7	1.092
25	0.565813	1.440567	4.0	1.074
30	0.588397	1.408941	3.6	1.062
35	0.605706	1.385770	3.3	1.054
40	0.619426	1.367987	3.0	1.048
45	0.630583	1.353868	2.9	1.043
50	0.639850	1.342363	2.7	1.040
55	0.647672	1.332794	2.6	1.037
60	0.654367	1.324702	2.5	1.034

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60				
1	0.0511182	15.449055	4755.4	4.055
2	0.1233327	4.484021	260.9	2.077
3	0.1867822	3.015147	80.0	1.659
4	0.239693	2.473126	40.8	1.477
5	0.283667	2.193354	26.2	1.375
6	0.320530	2.022315	19.0	1.310
7	0.351791	1.906510	14.6	1.264
8	0.378611	1.822571	12.3	1.230
9	0.401870	1.758699	10.5	1.204
10	0.422238	1.708300	9.2	1.183
12	0.456246	1.633462	7.5	1.152
14	0.483552	1.580189	6.4	1.130
16	0.506000	1.540075	5.7	1.114
18	0.524812	1.508625	5.1	1.102
20	0.540826	1.483210	4.7	1.092
25	0.572138	1.436589	4.0	1.074
30	0.595152	1.404597	3.5	1.062
35	0.612806	1.381117	3.2	1.054
40	0.626819	1.363070	3.0	1.048
45	0.638232	1.348721	2.9	1.043
50	0.647717	1.337014	2.7	1.039
55	0.655734	1.327266	2.6	1.036
60	0.662602	1.319013	2.5	1.034

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	39.863458	*	4.050
2	0.00	8.526316	*	2.171
3	0.00	5.538319	*	1.828
4	0.00	4.544771	*	1.695
5	0.00	4.060420	*	1.626
6	0.00	3.775950	*	1.585
7	0.00	3.589428	*	1.557
8	0.00	3.457919	*	1.537
9	0.00	3.360303	*	1.522
10	0.00	3.285015	*	1.510
12	0.00	3.176549	*	1.493
14	0.00	3.102213	*	1.482
16	0.00	3.048110	*	1.473
18	0.00	3.006977	*	1.467
20	0.00	2.974653	*	1.461
25	0.00	2.917745	*	1.452
30	0.00	2.880695	*	1.446
35	0.00	2.854655	*	1.442
40	0.00	2.835354	*	1.439
45	0.00	2.820476	*	1.437
50	0.00	2.808658	*	1.435
55	0.00	2.799043	*	1.433
60	0.00	2.791068	*	1.432

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.00	49.500000	*	4.029
3	0.00	9.000000	*	2.105
4	0.00	5.462383	*	1.739
5	0.00	4.324555	*	1.594
6	0.00	3.779716	*	1.517
7	0.00	3.463304	*	1.470
8	0.00	3.257442	*	1.438
9	0.00	3.113118	*	1.416
10	0.00	3.006452	*	1.399
12	0.00	2.924466	*	1.385
14	0.00	2.860796	*	1.366
16	0.00	2.806468	*	1.352
18	0.00	2.768171	*	1.343
20	0.00	2.73947	*	1.335
25	0.00	2.623947	*	1.319
30	0.00	2.539254	*	1.312
35	0.00	2.460936	*	1.307
40	0.00	2.40369	*	1.303
45	0.00	2.35229	*	1.300
50	0.00	2.311955	*	1.298
55	0.00	2.280173	*	1.296
60	0.00	2.255255	*	1.295

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	53.593245	*	4.023
1	0.000013	9.161799	1140249.9	2.080
2	0.000079	5.390826	83639.0	1.701
3	0.000200	4.190994	21752.3	1.547
4	0.000354	3.619713	9520.7	1.464
5	0.000521	3.289109	5437.6	1.413
6	0.000690	3.074532	3625.6	1.378
7	0.000853	2.924365	2666.7	1.352
8	0.001007	2.813535	2095.7	1.333
9	0.001152	2.728442	1726.0	1.318
10	0.001412	2.606467	1286.9	1.296
12	0.001634	2.523314	1041.6	1.281
14	0.001825	2.463028	887.8	1.269
16	0.001990	2.417333	783.6	1.261
18	0.002133	2.381510	708.8	1.254
20	0.002419	2.318631	591.1	1.241
25	0.002632	2.277827	523.3	1.233
30	0.002796	2.249216	479.5	1.228
35	0.002926	2.228044	449.0	1.223
40	0.003032	2.211745	426.6	1.220
45	0.003120	2.198811	409.4	1.218
50	0.003193	2.188297	395.9	1.215
55	0.003256	2.179583	384.9	1.214
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000074	55.832998	30302.0	4.020
1	0.001258	9.244047	15865.0	2.067
2	0.003552	5.344430	2402.5	1.679
3	0.006177	4.110361	887.1	1.518
4	0.008742	3.524607	476.2	1.431
5	0.011107	3.186373	310.6	1.377
6	0.013237	2.967226	227.2	1.339
7	0.015139	2.814084	178.9	1.312
8	0.016833	2.701200	148.1	1.291
9	0.018345	2.614625	127.1	1.275
10	0.020913	2.490695	100.7	1.251
12	0.022999	2.406345	85.0	1.234
14	0.024720	2.345272	74.8	1.222
16	0.026161	2.299030	67.6	1.213
18	0.027384	2.262813	62.3	1.205
20	0.029754	2.199321	53.7	1.192
25	0.031464	2.158181	48.6	1.183
30	0.032755	2.129364	45.3	1.177
35	0.033764	2.108059	42.9	1.172
40	0.034572	2.091668	41.1	1.168
45	0.035236	2.078668	39.7	1.166
50	0.035789	2.068105	38.6	1.163
55	0.036258	2.059354	37.7	1.161
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5				
1	0.000699	57.240357	411183.2	4.018
2	0.005649	9.294917	4368.1	2.059
3	0.012574	5.314302	818.3	1.665
4	0.019474	4.058596	332.9	1.501
5	0.025746	3.463624	188.5	1.411
6	0.031278	3.120475	127.1	1.355
7	0.036116	2.898340	95.0	1.316
8	0.040346	2.743219	76.0	1.288
9	0.044055	2.628943	63.6	1.266
10	0.047323	2.541343	55.1	1.249
12	0.052798	2.416019	44.2	1.224
14	0.057185	2.330774	37.6	1.206
16	0.060770	2.269084	33.2	1.193
18	0.063749	2.222394	30.2	1.183
20	0.066261	2.185838	27.9	1.175
25	0.071094	2.121778	24.2	1.161
30	0.074555	2.080289	21.9	1.152
35	0.077154	2.051237	20.4	1.146
40	0.079176	2.029763	19.4	1.141
45	0.080792	2.013245	18.6	1.137
50	0.082115	2.000147	18.0	1.134
55	0.083216	1.989505	17.5	1.132
60	0.084148	1.980689	17.1	1.130

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6				
1	0.002098	58.205124	165726.5	4.017
2	0.011909	9.329640	2435.1	2.054
3	0.023721	5.293049	499.5	1.657
4	0.034823	4.022079	211.3	1.490
5	0.044617	3.420402	122.1	1.399
6	0.053105	3.073544	82.2	1.341
7	0.060442	2.849063	62.7	1.301
8	0.066803	2.692325	50.3	1.272
9	0.072348	2.576864	42.3	1.250
10	0.077212	2.488357	36.7	1.232
12	0.085318	2.361731	29.5	1.206
14	0.091782	2.275593	25.1	1.188
16	0.097045	2.213249	22.2	1.175
18	0.101407	2.166057	20.1	1.165
20	0.105078	2.129102	18.6	1.157
25	0.112123	2.064331	16.1	1.142
30	0.117157	2.022367	14.6	1.133
35	0.120929	1.992976	13.6	1.126
40	0.123859	1.971246	12.9	1.121
45	0.126201	1.954529	12.3	1.117
50	0.128115	1.941269	11.9	1.114
55	0.129709	1.930496	11.6	1.112
60	0.131056	1.921569	11.3	1.110

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004011	58.907128	100947.9	4.017
12	0.018606	9.354740	1768.6	2.050
3	0.034806	5.277020	380.1	1.651
4	0.049580	3.994587	163.8	1.483
5	0.062422	3.387718	95.5	1.391
6	0.073456	3.037890	65.4	1.332
7	0.082941	2.811466	49.3	1.291
8	0.091135	2.653342	39.7	1.261
9	0.098259	2.536835	33.3	1.239
10	0.104495	2.447504	28.9	1.221
12	0.114869	2.319654	23.2	1.194
14	0.123126	2.232640	19.7	1.176
16	0.129840	2.169632	17.4	1.162
18	0.135400	2.121917	15.8	1.152
20	0.140077	2.084538	14.6	1.144
25	0.149047	2.018983	12.6	1.129
30	0.155451	1.976481	11.4	1.119
35	0.160248	1.946695	10.6	1.112
40	0.163975	1.924663	10.0	1.107
45	0.166953	1.907706	9.6	1.103
50	0.169386	1.894252	9.2	1.100
55	0.171412	1.883317	9.0	1.098
60	0.173125	1.874255	8.8	1.096

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006140	59.440583	74642.6	4.016
12	0.025042	9.373653	1454.1	2.048
3	0.045021	5.264395	321.0	1.648
4	0.062925	3.973001	139.7	1.478
5	0.078358	3.361968	81.7	1.385
6	0.091558	3.009689	56.1	1.325
7	0.102874	2.781618	42.3	1.284
8	0.112632	2.622291	34.0	1.254
9	0.121107	2.504855	28.6	1.231
10	0.128521	2.414779	24.7	1.213
12	0.140844	2.285793	19.8	1.136
14	0.150648	2.197944	16.8	1.167
16	0.158618	2.134289	14.8	1.153
18	0.165219	2.086056	13.4	1.143
20	0.170771	2.048251	12.4	1.134
25	0.181421	1.981897	10.6	1.119
30	0.189027	1.938835	9.6	1.110
35	0.194726	1.908633	8.9	1.103
40	0.199155	1.886279	8.4	1.097
45	0.202694	1.869065	8.0	1.093
50	0.205587	1.855401	7.7	1.090
55	0.207996	1.844292	7.5	1.088
60	0.210033	1.835082	7.3	1.086

CONFIDENCE LEVEL=.9
COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.008292	59.859552	61239.7	4.016
1	0.030960	9.388377	1277.8	2.046
2	0.054168	5.254153	286.7	1.645
3	0.074736	3.955547	125.5	1.475
4	0.092378	3.341090	73.6	1.381
5	0.107428	2.986750	50.5	1.321
6	0.120311	2.757264	38.1	1.279
7	0.131413	2.596884	30.6	1.249
8	0.141051	2.478620	25.7	1.225
10	0.149481	2.387870	22.2	1.207
12	0.163493	2.257840	17.8	1.180
14	0.174642	2.169207	15.0	1.161
16	0.183710	2.104937	13.2	1.147
18	0.191221	2.056205	11.9	1.136
20	0.197542	2.017985	11.0	1.127
25	0.209674	1.950845	9.4	1.112
30	0.218345	1.907224	8.5	1.102
35	0.224847	1.876603	7.9	1.095
40	0.229902	1.853922	7.4	1.090
45	0.233943	1.836447	7.1	1.086
50	0.237248	1.822569	6.8	1.083
55	0.240000	1.811281	6.6	1.080
60	0.242328	1.801919	6.4	1.078

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.010365	60.197249	53397.8	4.015
1	0.036301	9.400143	1167.8	2.045
2	0.062275	5.245660	264.9	1.643
3	0.085126	3.941121	116.3	1.472
4	0.104663	3.323794	68.3	1.378
5	0.121306	2.967695	46.8	1.317
6	0.135544	2.736979	35.3	1.275
7	0.147810	2.575670	28.3	1.245
8	0.158458	2.456667	23.7	1.221
10	0.167773	2.365308	20.5	1.202
12	0.183261	2.234320	16.4	1.175
14	0.195592	2.144959	13.8	1.156
16	0.205627	2.080110	12.2	1.142
18	0.213944	2.030905	11.0	1.131
20	0.220947	1.992288	10.1	1.122
25	0.234399	1.924388	8.6	1.107
30	0.244023	1.880222	7.7	1.097
35	0.251246	1.849189	7.1	1.089
40	0.256865	1.826186	6.7	1.084
45	0.261360	1.808451	6.4	1.080
50	0.265037	1.794359	6.2	1.077
55	0.268101	1.782892	6.0	1.074
60	0.270693	1.773378	5.8	1.072

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.014114	60.707930	44928.7	4.015
1	0.045364	9.417742	1041.6	2.044
2	0.075801	5.232374	239.3	1.640
3	0.102341	3.918636	105.5	1.469
4	0.124935	3.296765	61.9	1.373
5	0.144193	2.937818	42.4	1.312
6	0.160647	2.705073	31.9	1.270
7	0.174827	2.542201	25.6	1.239
8	0.187143	2.421937	21.4	1.215
9	0.197925	2.329526	18.5	1.196
10	0.215872	2.196858	14.7	1.168
12	0.230185	2.106197	12.4	1.149
14	0.241851	2.040302	10.8	1.134
16	0.251534	1.990230	9.7	1.123
18	0.259697	1.950883	8.9	1.114
20	0.275409	1.881567	7.6	1.099
25	0.286677	1.836371	6.8	1.088
30	0.295151	1.804554	6.2	1.081
35	0.301752	1.730932	5.9	1.076
40	0.307040	1.762697	5.6	1.072
45	0.311371	1.748191	5.4	1.068
50	0.314983	1.736376	5.2	1.066
55	0.318041	1.726565	5.0	1.063
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.017296	61.075692	40623.0	4.015
1	0.052638	9.430252	973.6	2.043
2	0.086498	5.222446	225.2	1.639
3	0.115879	3.901903	99.4	1.466
4	0.140875	3.276592	58.3	1.371
5	0.162135	2.915438	39.9	1.309
6	0.180326	2.681086	30.0	1.267
7	0.196013	2.516957	24.0	1.235
8	0.209650	2.395661	20.0	1.211
9	0.221559	2.302377	17.3	1.192
10	0.241517	2.168293	13.7	1.164
12	0.257430	2.076517	11.3	1.144
14	0.270422	2.009711	10.0	1.129
16	0.281224	1.958878	9.0	1.118
18	0.290342	1.919882	8.2	1.105
20	0.307929	1.848293	7.0	1.093
25	0.320575	1.802160	6.2	1.083
30	0.330103	1.769621	5.7	1.075
35	0.337540	1.745425	5.3	1.070
40	0.343505	1.726722	5.1	1.066
45	0.348396	1.711828	4.9	1.062
50	0.352479	1.699685	4.7	1.060
55	0.355939	1.689594	4.5	1.058
60				

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.019973	61.353121	38107.3	4.015
	2 0.058543	9.439592	932.5	2.042
	3 0.095103	5.214745	216.6	1.638
	4 0.126735	3.888960	95.6	1.465
	5 0.153628	3.260951	56.1	1.369
	6 0.176506	2.898037	38.4	1.307
	7 0.196094	2.662382	28.8	1.264
	8 0.212999	2.497219	23.0	1.233
	9 0.227709	2.375065	19.2	1.208
	10 0.240610	2.281048	16.5	1.189
	12 0.262145	2.145761	13.0	1.161
	14 0.279381	2.053024	10.9	1.141
	16 0.293476	1.985425	9.5	1.126
	18 0.305213	1.933922	8.5	1.114
	20 0.315135	1.893352	7.8	1.105
	25 0.334311	1.821625	6.6	1.089
	30 0.348135	1.774643	5.8	1.079
	35 0.358572	1.741444	5.3	1.071
	40 0.366732	1.716721	5.0	1.066
	45 0.373286	1.697586	4.7	1.062
	50 0.378666	1.682331	4.5	1.058
	55 0.383163	1.669833	4.4	1.055
	60 0.386976	1.659529	4.2	1.053

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.022232	61.569839	36499.3	4.015
	2 0.063405	9.446828	905.5	2.042
	3 0.102147	5.208596	210.8	1.637
	4 0.135606	3.878648	93.1	1.464
	5 0.164043	3.248467	54.6	1.367
	6 0.188246	2.884115	37.3	1.306
	7 0.208982	2.647384	28.0	1.263
	8 0.226892	2.481356	22.3	1.231
	9 0.242491	2.358478	18.6	1.206
	10 0.256184	2.263838	16.0	1.187
	12 0.279071	2.127518	12.6	1.159
	14 0.297421	2.033947	10.5	1.138
	16 0.312451	1.965654	9.2	1.123
	18 0.324984	1.913560	8.2	1.112
	20 0.335593	1.872480	7.5	1.103
	25 0.356138	1.799734	6.3	1.086
	30 0.370934	1.751984	5.6	1.076
	35 0.382216	1.718184	5.1	1.068
	40 0.391011	1.692978	4.7	1.063
	45 0.398086	1.673444	4.5	1.059
	50 0.403900	1.657855	4.3	1.055
	55 0.408764	1.645123	4.1	1.052
	60 0.412893	1.634525	4.0	1.050

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.024153	61.743800	35403.5	4.015
	2 0.067468	9.452595	886.9	2.041
	3 0.108007	5.203574	206.8	1.636
	4 0.142976	3.870240	91.4	1.463
	5 0.172696	3.238271	53.5	1.367
	6 0.198002	2.872722	36.5	1.305
	7 0.219699	2.635086	27.4	1.261
	8 0.238454	2.468326	21.8	1.230
	9 0.254802	2.344830	18.2	1.205
	10 0.269164	2.249654	15.6	1.186
	12 0.293200	2.112439	12.3	1.157
	14 0.312501	2.018138	10.3	1.136
	16 0.328334	1.949233	8.6	1.121
	18 0.341555	1.896616	7.9	1.110
	20 0.352760	1.855082	7.2	1.101
	25 0.374497	1.781419	6.1	1.084
	30 0.390243	1.732973	5.4	1.073
	35 0.402178	1.698626	4.9	1.066
	40 0.411538	1.672974	4.5	1.060
	45 0.419078	1.653073	4.3	1.056
	50 0.425281	1.637176	4.1	1.052
	55 0.430475	1.624179	3.9	1.050
	60 0.434889	1.613354	3.8	1.047

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.027869	62.058229	33810.2	4.015
	2 0.075169	9.462928	859.1	2.041
	3 0.119066	5.194296	200.8	1.635
	4 0.156868	3.854735	88.7	1.462
	5 0.189009	3.219431	51.9	1.365
	6 0.216408	2.851616	35.4	1.303
	7 0.239936	2.612245	26.5	1.259
	8 0.260310	2.444064	21.1	1.227
	9 0.278101	2.319358	17.5	1.203
	10 0.293760	2.223125	15.0	1.183
	12 0.320034	2.084123	11.8	1.154
	14 0.341205	1.988348	9.8	1.133
	16 0.358627	1.918194	8.5	1.118
	18 0.373218	1.864499	7.6	1.106
	20 0.385618	1.822020	6.9	1.097
	25 0.409773	1.746436	5.7	1.080
	30 0.427361	1.696511	5.0	1.069
	35 0.440751	1.660984	4.6	1.062
	40 0.451290	1.634371	4.2	1.056
	45 0.459806	1.613668	4.0	1.051
	50 0.466832	1.597092	3.8	1.048
	55 0.472728	1.583513	3.7	1.045
	60 0.477748	1.572182	3.5	1.043

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.030532	62.268766	32987.1	4.015
2	0.080584	9.469779	844.5	2.041
3	0.126809	5.187936	197.6	1.635
4	0.166586	3.844127	87.3	1.461
5	0.200425	3.206509	51.0	1.364
6	0.229303	2.837099	34.8	1.302
7	0.254131	2.596488	26.0	1.258
8	0.275662	2.427280	20.7	1.226
9	0.294491	2.301689	17.1	1.201
10	0.311087	2.204675	14.7	1.182
12	0.338993	2.064338	11.5	1.152
14	0.361541	1.967447	9.6	1.132
16	0.380145	1.896335	8.3	1.116
18	0.395763	1.841805	7.3	1.104
20	0.409066	1.798589	6.7	1.095
25	0.435069	1.721484	5.5	1.078
30	0.454087	1.670368	4.8	1.067
35	0.468620	1.633881	4.4	1.059
40	0.480096	1.606474	4.1	1.053
45	0.489394	1.585104	3.9	1.049
50	0.497083	1.567959	3.6	1.045
55	0.503550	1.553889	3.5	1.042
60	0.509065	1.542130	3.4	1.040

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.032527	62.419594	32505.6	4.014
2	0.084590	9.474654	835.8	2.041
3	0.132522	5.183306	195.7	1.635
4	0.173756	3.836412	86.4	1.461
5	0.208852	3.197095	50.5	1.364
6	0.238829	2.826500	34.4	1.301
7	0.264630	2.584960	25.7	1.258
8	0.287029	2.414974	20.4	1.225
9	0.306640	2.288709	16.9	1.200
10	0.323947	2.191096	14.5	1.181
12	0.353097	2.049725	11.3	1.151
14	0.376703	1.951960	9.4	1.131
16	0.396221	1.880093	8.1	1.115
18	0.412639	1.824898	7.2	1.103
20	0.426650	1.781091	6.5	1.094
25	0.454118	1.702753	5.4	1.076
30	0.474283	1.650659	4.7	1.065
35	0.489742	1.613375	4.3	1.057
40	0.501983	1.585304	3.9	1.051
45	0.511925	1.563372	3.7	1.047
50	0.520165	1.545744	3.5	1.043
55	0.527108	1.531254	3.4	1.040
60	0.533040	1.519127	3.2	1.038

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.034073	62.532957	32198.9	4.014
2	0.087670	9.478299	830.3	2.040
3	0.136909	5.179785	194.5	1.634
4	0.179260	3.830549	85.8	1.461
5	0.215323	3.189932	50.2	1.363
6	0.246150	2.818422	34.1	1.301
7	0.272706	2.576159	25.5	1.257
8	0.295781	2.405564	20.2	1.225
9	0.316004	2.278768	16.8	1.200
10	0.333867	2.180682	14.3	1.180
12	0.363997	2.038487	11.2	1.151
14	0.388442	1.940020	9.3	1.130
16	0.408690	1.867541	8.0	1.114
18	0.425751	1.811805	7.1	1.102
20	0.440333	1.767515	6.4	1.093
25	0.468991	1.688158	5.3	1.075
30	0.490098	1.635248	4.6	1.064
35	0.506325	1.597292	4.2	1.056
40	0.519206	1.568657	3.9	1.050
45	0.529690	1.546243	3.6	1.046
50	0.538396	1.528199	3.4	1.042
55	0.545743	1.513347	3.3	1.039
60	0.552031	1.500899	3.1	1.036

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.035305	62.621270	31990.8	4.014
2	0.090111	9.481127	826.5	2.040
3	0.140381	5.177017	193.6	1.634
4	0.183616	3.822594	85.5	1.460
5	0.220448	3.184298	49.9	1.363
6	0.251951	2.812061	34.0	1.301
7	0.279109	2.569219	25.3	1.257
8	0.302726	2.398136	20.1	1.224
9	0.323440	2.270911	16.7	1.200
10	0.341752	2.172440	14.2	1.180
12	0.372675	2.029574	11.1	1.150
14	0.397802	1.930531	9.2	1.129
16	0.418646	1.857547	7.9	1.114
18	0.436233	1.801362	7.0	1.101
20	0.451287	1.756668	6.4	1.092
25	0.480932	1.676456	5.2	1.075
30	0.502828	1.622855	4.6	1.063
35	0.519703	1.584324	4.1	1.055
40	0.533128	1.555204	3.8	1.049
45	0.544076	1.532374	3.6	1.045
50	0.553181	1.513969	3.4	1.041
55	0.560879	1.498799	3.2	1.038
60	0.567474	1.486071	3.1	1.035

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.036309	62 0.692010	31 844.1	4.014
	2 0.092092	9 483386	823.8	2.040
	3 0.143196	5 174784	193.0	1.634
	4 0.187149	3 822228	85.2	1.460
	5 0.224606	3 179751	49.8	1.363
	6 0.256661	2 806922	33.8	1.300
	7 0.284311	2 563607	25.2	1.257
	8 0.308371	2 392122	20.0	1.224
	9 0.329488	2 264544	16.6	1.199
	10 0.348169	2 165755	14.2	1.179
	12 0.379746	2 022331	11.1	1.150
	14 0.405439	1 922807	9.2	1.129
	16 0.426779	1 849399	7.9	1.113
	18 0.444807	1 792836	7.0	1.101
	20 0.460256	1 747800	6.3	1.091
	25 0.490735	1 666860	5.2	1.074
	30 0.513302	1 612665	4.5	1.063
	35 0.530732	1 573639	4.1	1.054
	40 0.544625	1 544096	3.8	1.048
	45 0.555974	1 520903	3.5	1.044
	50 0.565428	1 502190	3.3	1.040
	55 0.573431	1 486730	3.2	1.037
	60 0.580297	1 473754	3.0	1.035

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.037144	62 0.749947	31 736.0	4.014
	2 0.093732	9 485231	821.8	2.040
	3 0.145526	5 172944	192.6	1.634
	4 0.190072	3 819170	85.0	1.460
	5 0.228047	3 176005	49.6	1.363
	6 0.260559	2 802684	33.7	1.300
	7 0.288619	2 558975	25.2	1.256
	8 0.313050	2 387154	20.0	1.224
	9 0.334504	2 259279	16.5	1.199
	10 0.353494	2 160223	14.1	1.179
	12 0.385620	2 016328	11.0	1.149
	14 0.411739	1 916397	9.1	1.128
	16 0.433549	1 842628	7.9	1.113
	18 0.451951	1 785742	6.9	1.101
	20 0.467736	1 740413	6.3	1.091
	25 0.498929	1 658846	5.2	1.074
	30 0.522075	1 604135	4.5	1.062
	35 0.539985	1 564676	4.0	1.054
	40 0.554286	1 534763	3.7	1.048
	45 0.565986	1 511249	3.5	1.043
	50 0.575746	1 492245	3.3	1.039
	55 0.584019	1 476547	3.1	1.036
	60 0.591124	1 463349	3.0	1.034

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60			31654.6	4.014
1	0.037848	2.798268	820.3	2.040
2	0.095111	9.486766	192.3	1.634
3	0.147484	5.171403	84.8	1.460
4	0.192530	3.816607	49.5	1.363
5	0.230941	3.172864	33.7	1.300
6	0.263840	2.799129	25.1	1.256
7	0.292246	2.555087	19.9	1.224
8	0.316990	2.382981	16.5	1.199
9	0.338730	2.254854	14.1	1.179
10	0.357982	2.155569	11.0	1.149
12	0.390577	2.011272	9.1	1.128
14	0.417153	1.910991	7.8	1.113
16	0.439272	1.836912	6.9	1.100
18	0.457996	1.779746	6.2	1.091
20	0.474071	1.734163	5.1	1.073
25	0.505881	1.652050	4.5	1.062
30	0.529531	1.596887	4.0	1.054
35	0.547862	1.557047	3.7	1.047
40	0.562522	1.526807	3.4	1.043
45	0.574532	1.503008	3.3	1.039
50	0.584564	1.483753	3.1	1.036
55	0.593076	1.467833	3.0	1.033
60	0.600395	1.454436		

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	161.447639	*	4.012
2	0.0	118.512821	*	2.080
3	0.0	110.127964	*	1.722
4	0.0	7.708647	*	1.585
5	0.0	6.607891	*	1.514
6	0.0	5.987378	*	1.472
7	0.0	5.591448	*	1.444
8	0.0	5.317655	*	1.424
9	0.0	5.117355	*	1.409
10	0.0	4.964603	*	1.397
12	0.0	4.747225	*	1.380
14	0.0	4.600110	*	1.369
16	0.0	4.493998	*	1.361
18	0.0	4.413873	*	1.354
20	0.0	4.351244	*	1.349
25	0.0	4.241699	*	1.340
30	0.0	4.170877	*	1.335
35	0.0	4.121338	*	1.331
40	0.0	4.084746	*	1.328
45	0.0	4.056612	*	1.325
50	0.0	4.034310	*	1.323
55	0.0	4.016195	*	1.322
60	0.0	4.001191	*	1.321

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	199.500000	*	4.007
3	0.0	119.000000	*	2.051
4	0.0	9.552095	*	1.677
5	0.0	6.944272	*	1.530
6	0.0	5.786135	*	1.453
7	0.0	5.143253	*	1.407
8	0.0	4.737414	*	1.375
9	0.0	4.458970	*	1.353
10	0.0	4.256495	*	1.337
12	0.0	4.102821	*	1.324
14	0.0	3.988529	*	1.310
16	0.0	3.938892	*	1.299
18	0.0	3.885294	*	1.289
20	0.0	3.833723	*	1.283
25	0.0	3.633723	*	1.276
30	0.0	3.554557	*	1.270
35	0.0	3.492828	*	1.260
40	0.0	3.438519	*	1.254
45	0.0	3.385190	*	1.249
50	0.0	3.315930	*	1.246
55	0.0	3.267424	*	1.243
60	0.0	3.231727	*	1.241
		3.204317	*	1.239
		3.182610	*	1.238
		3.164993	*	
		3.150411	*	

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	21 5.707345	* *	4.006
2	0.0	19.164292	* *	2.040
3	0.000008	9.276633	133332.3	1.657
4	0.000025	6.591399	244020.5	1.504
5	0.000051	5.409485	86369.7	1.423
6	0.000093	4.757118	42774.3	1.373
7	0.000118	4.346910	25741.7	1.339
8	0.000153	4.066283	17522.6	1.315
9	0.000188	3.862674	12962.8	1.297
10	0.000222	3.708413	10168.8	1.283
11	0.000286	3.490486	7045.5	1.262
12	0.000343	3.344117	5409.3	1.248
13	0.000394	3.239134	4431.0	1.237
14	0.000438	3.160200	3791.2	1.229
15	0.000477	3.098710	3344.7	1.223
16	0.000558	2.991613	2666.1	1.214
17	0.000619	2.922690	2290.3	1.204
18	0.000668	2.874633	2053.7	1.196
19	0.000706	2.835216	1891.9	1.189
20	0.000738	2.812036	1774.7	1.182
25	0.000765	2.790518	1686.1	1.175
30	0.000787	2.772062	1616.6	1.168
35	0.000806	2.758616	1561.0	1.166

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	22 4.583241	* *	4.005
3	0.000313	19.246951	127712.9	2.034
2	0.001110	9.117738	12228.7	1.645
3	0.002162	6.389317	3586.3	1.487
4	0.003278	5.193812	1674.4	1.403
5	0.004362	4.535867	993.8	1.350
6	0.005377	4.122013	679.2	1.314
7	0.006308	3.841023	508.0	1.288
8	0.007156	3.636686	403.3	1.269
9	0.007927	3.482035	335.5	1.254
10	0.009262	3.263825	253.0	1.231
11	0.010369	3.117467	206.1	1.216
12	0.011298	3.012602	176.4	1.204
13	0.012085	2.933825	156.1	1.195
14	0.012759	2.872502	141.5	1.188
15	0.014083	2.765798	118.3	1.176
16	0.015051	2.697202	104.8	1.168
17	0.015789	2.649411	96.1	1.162
18	0.016370	2.614213	90.0	1.158
19	0.016838	2.587212	85.5	1.154
20	0.017224	2.565846	82.1	1.152
25	0.017546	2.548517	79.3	1.149
30	0.017821	2.534182	77.1	1.148

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	230.161878		4.005
1	0.002199	19.297294	226.17.3	2.031
2	0.005662	9.015744	291.3.00	1.638
3	0.009434	6.259885	981.27	1.477
4	0.013042	5.055636	495.3	1.389
5	0.016333	4.394034	308.8	1.335
6	0.019282	3.979397	218.2	1.298
7	0.021909	3.696454	167.1	1.271
8	0.024248	3.491578	135.3	1.250
9	0.026335	3.336614	113.9	1.234
10	0.028151	3.118114	87.5	1.210
12	0.032766	2.971675	72.3	1.194
14	0.035151	2.866815	62.4	1.182
16	0.037151	2.788079	55.6	1.171
18	0.038850	2.726313	50.7	1.161
20	0.042151	2.620260	42.7	1.152
25	0.044540	2.531302	38.1	1.143
30	0.046346	2.504127	35.0	1.137
35	0.047739	2.469024	32.9	1.133
40	0.048894	2.442104	31.3	1.129
45	0.049826	2.420806	30.0	1.126
50	0.050604	2.403535	29.1	1.124
55	0.051263	2.389249	28.3	1.122
60				

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.000731	233.9862245	191.5707.8	4.005
1	0.005748	19.331483	102.65.1	2.028
2	0.012724	8.945006	150.8.8	1.633
3	0.019705	6.169935	538.9	1.469
4	0.026097	4.959343	280.7	1.381
5	0.031779	4.294929	178.3	1.325
6	0.036784	3.878804	127.5	1.281
7	0.041139	3.594976	98.3	1.250
8	0.045077	3.389526	80.7	1.233
9	0.048521	3.234165	67.7	1.221
10	0.051433	3.015161	52.3	1.206
12	0.055902	2.868419	43.3	1.196
14	0.059023	2.763357	37.5	1.186
16	0.062882	2.684478	33.4	1.177
18	0.066106	2.623104	30.5	1.169
20	0.068836	2.5716371	28.7	1.163
25	0.074120	2.447800	22.9	1.156
30	0.077930	2.400046	21.1	1.150
35	0.080804	2.364886	19.3	1.145
40	0.083047	2.337922	18.0	1.140
45	0.084846	2.316588	17.7	1.136
50	0.086322	2.299288	17.0	1.132
55	0.087533	2.284978		1.128
60	0.088595			1.124

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0011702	236.7688992	965250.0	4.004
1	0.0101655	19.3562225	6652.4	2.026
2	0.020654	8.8929556	1048.5	1.629
3	0.0306988	6.103545	385.7	1.464
4	0.039693	4.888024	203.9	1.374
5	0.047588	4.221294	130.6	1.318
6	0.054486	3.803850	93.8	1.279
7	0.060524	3.519169	72.7	1.250
8	0.065830	3.313117	59.2	1.229
9	0.070517	3.157305	50.1	1.212
10	0.078398	2.937657	38.7	1.186
11	0.084745	2.790468	32.1	1.166
12	0.089953	2.685072	27.7	1.156
13	0.094297	2.605931	24.7	1.146
14	0.097973	2.544343	22.5	1.138
15	0.105078	2.437214	20.8	1.124
16	0.110194	2.368367	19.6	1.115
17	0.114049	2.320409	18.5	1.108
18	0.117058	2.285090	17.4	1.103
19	0.119470	2.257999	16.3	1.099
20	0.121444	2.236561	15.3	1.096
21	0.123097	2.219175	14.2	1.094
22	0.124494	2.204791	13.4	1.092

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0021959	238.883450	633712.6	4.004
1	0.0148119	19.374916	5098.6	2.026
2	0.0285520	8.852961	837.3	1.627
3	0.0413306	6.052382	513.1	1.461
4	0.052616	4.832383	366.8	1.370
5	0.062474	4.164188	207.2	1.313
6	0.071050	3.745563	177.2	1.272
7	0.078535	3.460076	159.8	1.244
8	0.085101	3.253425	148.8	1.222
9	0.090893	3.097143	141.2	1.203
10	0.100620	2.876790	131.9	1.179
11	0.108444	2.729082	126.3	1.161
12	0.114860	2.623293	122.7	1.148
13	0.120211	2.543315	120.2	1.138
14	0.124737	2.481956	118.4	1.130
15	0.133433	2.374311	115.4	1.115
16	0.139781	2.305095	113.7	1.106
17	0.144528	2.256859	112.5	1.099
18	0.148232	2.221322	111.7	1.094
19	0.151203	2.194056	111.1	1.090
20	0.153637	2.172474	110.7	1.087
21	0.155566	2.154967	110.3	1.085
22	0.157389	2.140480	110.0	1.083

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.004364	0.544259	479845.4	4.004
1	0.019365	19.389503	4276.9	2.024
2	0.035914	8.821216	720.8	1.625
3	0.051110	6.011672	272.2	1.458
4	0.064450	4.788881	145.6	1.367
5	0.076030	4.118495	93.8	1.309
6	0.086081	3.658810	67.5	1.269
7	0.094842	3.412571	52.3	1.240
8	0.102520	3.205345	42.6	1.217
10	0.109290	3.043598	36.0	1.200
12	0.120653	2.827525	27.8	1.174
14	0.129793	2.679272	22.9	1.156
16	0.137389	2.573039	19.8	1.142
18	0.143541	2.493215	17.5	1.133
20	0.148831	2.431057	15.9	1.125
25	0.159057	2.322833	13.3	1.109
30	0.166425	2.253199	11.8	1.099
35	0.171931	2.204644	10.3	1.092
40	0.176319	2.168856	10.1	1.087
45	0.179798	2.141387	9.6	1.084
50	0.182651	2.119638	9.1	1.080
55	0.185032	2.101990	8.8	1.078
60	0.187049	2.087384	8.6	1.076

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.005817	1.882972	395566.6	4.004
1	0.023645	19.401183	3783.8	2.024
2	0.042697	8.795381	648.9	1.624
3	0.060002	5.978473	246.6	1.456
4	0.075120	4.752907	132.2	1.365
5	0.088213	4.081049	85.2	1.306
6	0.099562	3.660411	61.4	1.266
7	0.109448	3.373478	47.5	1.236
8	0.118109	3.165707	38.7	1.214
9	0.125746	3.008513	32.7	1.196
10	0.138566	2.786732	25.1	1.170
12	0.148832	2.637933	20.7	1.151
14	0.157346	2.531259	17.8	1.137
16	0.164408	2.451068	15.8	1.127
18	0.170386	2.388599	14.3	1.119
20	0.181953	2.279771	11.9	1.104
25	0.190294	2.209694	10.5	1.094
30	0.196589	2.160300	9.6	1.087
35	0.201506	2.124745	9.0	1.082
40	0.205453	2.097058	8.5	1.078
45	0.208690	2.075129	8.1	1.075
50	0.211393	2.057330	7.8	1.072
55	0.213683	2.042594	7.6	1.070
60				

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.008637	0.907616	309788.3	4.004
1	0.031226	19.418689	3238.2	2.023
2	0.054414	8.755836	567.1	1.622
3	0.075201	5.927531	217.0	1.454
4	0.093265	4.697534	116.6	1.361
5	0.108871	4.023239	75.2	1.302
6	0.122388	3.600969	54.1	1.262
7	0.134159	3.312811	41.8	1.232
8	0.144476	3.104057	34.0	1.209
9	0.153577	2.946039	28.6	1.191
10	0.168870	2.722927	22.0	1.164
11	0.181192	2.573079	18.0	1.145
12	0.191318	2.465545	15.4	1.131
13	0.199778	2.384633	13.7	1.120
14	0.206950	2.321547	12.4	1.112
15	0.220850	2.211504	10.2	1.096
16	0.230899	2.140528	9.9	1.086
17	0.238496	2.090941	8.2	1.079
18	0.244441	2.054334	7.6	1.074
19	0.249219	2.026198	7.2	1.070
20	0.253141	2.003894	6.9	1.067
21	0.256420	1.985779	6.6	1.064
22	0.259200	1.970774	6.4	1.062

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.011187	245.365808	268383.3	4.004
1	0.037548	19.431156	2954.1	2.022
2	0.063978	8.726964	523.3	1.621
3	0.087502	5.890237	200.9	1.452
4	0.107891	4.656857	108.0	1.356
5	0.125493	3.980629	69.6	1.300
6	0.140740	3.557019	50.0	1.259
7	0.154025	3.267327	38.6	1.228
8	0.165676	3.058223	31.3	1.205
9	0.175964	2.899482	26.4	1.187
10	0.193273	2.675178	20.1	1.160
11	0.207246	2.524371	16.5	1.141
12	0.218747	2.416040	14.1	1.126
13	0.228373	2.334451	12.4	1.115
14	0.236543	2.270782	11.2	1.107
15	0.252415	2.159577	9.9	1.091
16	0.263918	2.087731	8.1	1.081
17	0.272634	2.037466	7.3	1.074
18	0.279466	2.000316	6.8	1.069
19	0.284964	1.971734	6.4	1.065
20	0.289485	1.949060	6.1	1.061
21	0.293266	1.920630	5.9	1.059
22	0.296476	1.915354	5.7	1.057

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.013421	246.465937	245097.0	4.004
2	0.042812	19.440474	2785.4	2.022
3	0.071835	8.704944	496.8	1.620
4	0.097556	5.861737	191.1	1.451
5	0.119822	4.625686	102.8	1.358
6	0.139042	3.947889	66.1	1.298
7	0.155699	3.523164	47.5	1.257
8	0.170224	3.233094	36.6	1.226
9	0.182974	3.022759	29.7	1.203
10	0.194242	2.863385	24.9	1.184
12	0.213228	2.638026	19.0	1.157
14	0.228582	2.486358	15.5	1.138
16	0.241242	2.377304	13.2	1.123
18	0.251855	2.295096	11.6	1.112
20	0.260876	2.230890	10.5	1.103
25	0.278438	2.118604	8.6	1.088
30	0.291201	2.045938	7.5	1.077
35	0.300893	1.995031	6.8	1.070
40	0.308502	1.957363	6.3	1.065
45	0.314636	1.928354	5.9	1.061
50	0.319684	1.905321	5.6	1.057
55	0.323913	1.886587	5.4	1.055
60	0.327505	1.871049	5.2	1.052

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.015361	247.325394	230413.7	4.004
2	0.047224	19.447697	2676.4	2.022
3	0.078363	8.687592	479.5	1.620
4	0.105885	5.839241	184.6	1.450
5	0.129694	4.601027	99.2	1.357
6	0.150252	3.921932	63.8	1.297
7	0.168079	3.496267	45.8	1.255
8	0.183637	3.205446	35.2	1.225
9	0.197306	2.994477	28.5	1.201
10	0.209398	2.834552	24.0	1.183
12	0.229799	2.608261	18.2	1.155
14	0.246328	2.455824	14.8	1.135
16	0.259980	2.346119	12.6	1.121
18	0.271441	2.263349	11.1	1.110
20	0.281197	2.198651	10.0	1.101
25	0.300228	2.085370	8.2	1.085
30	0.314095	2.011944	7.1	1.074
35	0.324648	1.960435	6.4	1.067
40	0.332948	1.922279	5.9	1.062
45	0.339647	1.892867	5.5	1.057
50	0.345169	1.869494	5.3	1.054
55	0.349798	1.850470	5.0	1.051
60	0.353735	1.834682	4.9	1.049

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.017044	248 .015333	2206 52.1	4.004
	2 0.050958	19.453458	2601 .5	2.022
	3 0.083855	8.673564	467 .5	1.619
	4 0.112876	5.821029	180 .1	1.450
	5 0.137976	4.581028	96 .8	1.356
	6 0.159657	3.900841	62 .2	1.296
	7 0.178471	3.474375	44 .6	1.254
	8 0.194903	3.182906	34 .3	1.224
	9 0.209353	2.971385	27 .7	1.200
	10 0.222146	2.810976	23 .3	1.181
	12 0.243760	2.583861	17 .7	1.153
	14 0.261300	2.430736	14 .3	1.134
	16 0.275809	2.320444	12 .2	1.119
	18 0.288008	2.237166	10 .7	1.108
	20 0.298406	2.172022	9 .6	1.099
	25 0.318729	2.057828	7 .8	1.083
	30 0.333574	1.983700	6 .8	1.072
	35 0.344893	1.931631	6 .1	1.065
	40 0.353812	1.893019	5 .6	1.059
	45 0.361021	1.863227	5 .3	1.055
	50 0.366969	1.839334	5 .0	1.052
	55 0.371962	1.820236	4 .8	1.049
	60 0.376212	1.804210	4 .6	1.047

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.020379	249 .262493	2065 25.2	4.004
	2 0.058148	19.463783	2491 .3	2.021
	3 0.094335	8.647976	449 .6	1.619
	4 0.126216	5.787751	173 .3	1.449
	5 0.153774	4.544395	93 .1	1.355
	6 0.177605	3.862115	59 .7	1.295
	7 0.198318	3.434084	42 .7	1.253
	8 0.216441	3.141331	32 .8	1.223
	9 0.232410	2.928704	26 .5	1.198
	10 0.246574	2.767315	22 .2	1.179
	12 0.270572	2.538511	16 .8	1.151
	14 0.290118	2.383963	13 .6	1.131
	16 0.306342	2.272444	11 .5	1.116
	18 0.320026	2.188092	10 .1	1.105
	20 0.331723	2.121998	9 .0	1.095
	25 0.354688	2.005845	7 .3	1.079
	30 0.371556	1.930187	6 .5	1.068
	35 0.384479	1.876889	5 .7	1.061
	40 0.394700	1.837266	5 .2	1.055
	45 0.402990	1.806628	4 .9	1.051
	50 0.409849	1.782216	4 .6	1.047
	55 0.415620	1.762299	4 .4	1.045
	60 0.420544	1.745736	4 .2	1.042

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.022826	250.097660	199440.6	4.004
2	0.063280	19.470631	2433.7	2.021
3	0.101803	8.630669	440.2	1.618
4	0.135662	5.765198	169.7	1.448
5	0.164961	4.519501	91.1	1.354
6	0.190326	3.835727	58.4	1.294
7	0.212401	3.406556	41.7	1.252
8	0.231746	3.112854	32.0	1.221
9	0.248816	2.899399	25.8	1.197
10	0.263983	2.737269	21.6	1.178
12	0.289736	2.507172	16.3	1.146
14	0.310774	2.351519	13.2	1.129
16	0.328286	2.239036	11.1	1.114
18	0.343094	2.153332	9.7	1.103
20	0.355784	2.086979	8.7	1.093
25	0.380789	1.969238	7.0	1.077
30	0.399244	1.892321	6.0	1.066
35	0.413439	1.837998	5.4	1.058
40	0.424705	1.797525	4.9	1.053
45	0.433868	1.766168	4.6	1.048
50	0.441471	1.741141	4.3	1.045
55	0.447382	1.720692	4.1	1.042
60	0.453362	1.703662	4.0	1.040

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.024685	250.696016	195235.2	4.004
2	0.067114	19.475504	2399.8	2.021
3	0.107346	8.618183	434.5	1.618
4	0.142687	5.748904	167.5	1.448
5	0.173284	4.501481	89.9	1.354
6	0.199796	3.816586	57.6	1.293
7	0.222896	3.386549	41.1	1.251
8	0.243164	3.092119	31.5	1.220
9	0.261072	2.878023	25.4	1.196
10	0.277002	2.715314	21.2	1.177
12	0.304102	2.484201	16.0	1.148
14	0.326295	2.327669	12.9	1.128
16	0.344811	2.214413	10.9	1.113
18	0.360502	2.128520	9.5	1.101
20	0.373975	2.061048	8.5	1.092
25	0.400607	1.942002	6.8	1.076
30	0.420343	1.864036	5.9	1.065
35	0.435576	1.808852	5.2	1.057
40	0.447703	1.767655	4.8	1.051
45	0.457592	1.735684	4.4	1.046
50	0.465815	1.710127	4.2	1.043
55	0.472764	1.689216	4.0	1.040
60	0.478714	1.671781	3.8	1.038

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.026140	251.145764	192603.0	4.004
	2 0.070032	19.479148	2378.1	2.021
	3 0.111627	8.608749	430.9	1.618
	4 0.148110	5.736580	166.1	1.448
	5 0.179710	4.487831	89.1	1.353
	6 0.207114	3.802066	57.1	1.293
	7 0.231013	3.371350	40.7	1.251
	8 0.252003	3.076342	31.2	1.220
	9 0.270568	2.861736	25.1	1.195
	10 0.287101	2.698565	21.0	1.176
	12 0.315268	2.466632	15.8	1.148
	14 0.338381	2.309386	12.7	1.128
	16 0.357702	2.195497	10.7	1.112
	18 0.374104	2.109038	9.4	1.101
	20 0.388213	2.041054	8.3	1.091
	25 0.416175	1.920918	6.7	1.074
	30 0.436969	1.842068	5.7	1.063
	35 0.453068	1.786150	5.1	1.056
	40 0.465917	1.744334	4.7	1.050
	45 0.476419	1.711832	4.3	1.045
	50 0.485171	1.685815	4.1	1.042
	55 0.492579	1.664501	3.9	1.039
	60 0.498933	1.646710	3.7	1.036

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.027309	251.496148	190838.7	4.004
	2 0.072445	19.481977	2363.3	2.021
	3 0.115030	8.601370	428.4	1.618
	4 0.152420	5.726932	165.1	1.448
	5 0.184820	4.477133	88.5	1.353
	6 0.212936	3.790672	56.7	1.293
	7 0.237476	3.359409	40.5	1.250
	8 0.259046	3.063935	31.0	1.215
	9 0.278141	2.848913	24.9	1.195
	10 0.295160	2.685363	20.9	1.176
	12 0.324194	2.452756	15.7	1.147
	14 0.348058	2.294919	12.6	1.127
	16 0.368039	2.180504	10.6	1.112
	18 0.385028	2.093571	9.3	1.100
	20 0.399662	2.025157	8.2	1.091
	25 0.428733	1.904099	6.6	1.074
	30 0.450416	1.824494	5.7	1.063
	35 0.467248	1.767944	5.0	1.055
	40 0.480713	1.725591	4.6	1.049
	45 0.491743	1.692626	4.2	1.044
	50 0.500950	1.666206	4.0	1.041
	55 0.508756	1.644538	3.8	1.038
	60 0.515462	1.626433	3.6	1.035

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.028267	251.776818	189608.4	4.004
	2 0.074371	19.484235	2352.8	2.021
	3 0.117799	8.595441	426.7	1.618
	4 0.155927	5.719175	164.5	1.448
	5 0.188979	4.468523	88.2	1.353
	6 0.217677	3.781493	56.4	1.293
	7 0.242741	3.349780	40.3	1.250
	8 0.264783	3.053920	30.8	1.219
	9 0.284320	2.838553	24.8	1.195
	10 0.301741	2.674689	20.7	1.176
	12 0.331492	2.441517	15.6	1.147
	14 0.355981	2.283184	12.5	1.127
	16 0.376512	2.168324	10.6	1.111
	18 0.393993	2.080989	9.2	1.100
	20 0.409070	2.012210	8.2	1.090
	25 0.439079	1.890361	6.5	1.073
	30 0.461521	1.810104	5.6	1.062
	35 0.478983	1.753006	5.0	1.054
	40 0.492931	1.710184	4.5	1.048
	45 0.504468	1.676313	4.2	1.043
	50 0.514073	1.650037	3.9	1.040
	55 0.522228	1.628054	3.7	1.037
	60 0.529243	1.609669	3.5	1.034

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.029066	252.006697	188678.2	4.004
	2 0.075970	19.486080	2345.1	2.021
	3 0.120096	8.590572	425.4	1.618
	4 0.158835	5.712801	164.0	1.448
	5 0.192429	4.461443	87.9	1.353
	6 0.221612	3.773940	56.3	1.292
	7 0.247114	3.341851	40.1	1.250
	8 0.269559	3.045666	30.7	1.219
	9 0.289456	2.830009	24.7	1.195
	10 0.307214	2.665879	20.6	1.175
	12 0.337569	2.432229	15.3	1.147
	14 0.362586	2.273473	12.5	1.126
	16 0.383585	2.158232	10.5	1.111
	18 0.401484	2.070552	9.1	1.099
	20 0.416939	2.001457	8.1	1.090
	25 0.447752	1.878925	6.5	1.073
	30 0.470850	1.798100	5.5	1.061
	35 0.488859	1.740520	4.9	1.053
	40 0.503323	1.697285	4.5	1.047
	45 0.515211	1.663554	4.1	1.043
	50 0.525166	1.636462	3.9	1.039
	55 0.533631	1.614199	3.7	1.036
	60 0.540921	1.595563	3.5	1.034

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.029742	252.198426	187968.9	4.004
2	0.077318	19.487615	2339.2	2.021
3	0.122031	8.586503	424.4	1.618
4	0.161286	5.707472	163.6	1.447
5	0.195337	4.455520	87.7	1.353
6	0.224929	3.767616	56.1	1.292
7	0.250802	3.335207	40.0	1.250
8	0.273586	3.038746	30.6	1.215
9	0.293794	2.822841	24.6	1.194
10	0.311839	2.658483	20.5	1.175
12	0.342709	2.424422	15.4	1.147
14	0.368177	2.265301	12.4	1.126
16	0.389578	2.149732	10.4	1.111
18	0.407837	2.061753	9.1	1.095
20	0.423618	1.992383	8.1	1.089
25	0.455130	1.869253	6.5	1.072
30	0.478800	1.787929	5.5	1.061
35	0.497289	1.729924	4.9	1.053
40	0.512163	1.686321	4.4	1.047
45	0.524406	1.652270	4.1	1.042
50	0.534673	1.624895	3.8	1.039
55	0.543413	1.602380	3.6	1.036
60	0.550948	1.583519	3.5	1.033

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	647.789011	*	4.003
2	0.0	38.5063229	*	2.039
3	0.0	17.4434443	*	1.667
4	0.0	12.2178663	*	1.524
5	0.0	10.006982	*	1.451
6	0.0	8.813101	*	1.407
7	0.0	8.072669	*	1.378
8	0.0	7.570882	*	1.358
9	0.0	7.209283	*	1.342
10	0.0	6.936728	*	1.331
12	0.0	6.553769	*	1.314
14	0.0	6.297939	*	1.302
16	0.0	6.115127	*	1.294
18	0.0	5.978052	*	1.288
20	0.0	5.871494	*	1.283
25	0.0	5.686366	*	1.274
30	0.0	5.567535	*	1.268
35	0.0	5.484820	*	1.264
40	0.0	5.423937	*	1.261
45	0.0	5.377254	*	1.259
50	0.0	5.340323	*	1.257
55	0.0	5.310379	*	1.256
60	0.0	5.285611	*	1.255

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	799.500000	*	4.002
3	0.0	39.000000	*	2.025
4	0.0	16.044106	*	1.642
5	0.0	10.649111	*	1.491
6	0.0	8.433621	*	1.413
7	0.0	7.259856	*	1.366
8	0.0	6.541520	*	1.334
9	0.0	6.059467	*	1.312
10	0.0	5.714705	*	1.295
12	0.0	5.456396	*	1.283
14	0.0	5.095367	*	1.264
16	0.0	4.856698	*	1.252
18	0.0	4.686665	*	1.242
20	0.0	4.559672	*	1.235
25	0.0	4.461256	*	1.230
30	0.0	4.290932	*	1.220
35	0.0	4.182061	*	1.214
40	0.0	4.106496	*	1.210
45	0.0	4.050992	*	1.206
50	0.0	4.008502	*	1.204
55	0.0	3.974931	*	1.202
60	0.0	3.947739	*	1.200
		3.925265	*	1.199

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	864.162973	*	4.002
	2 0.0	39.165495	*	2.020
	3 0.0	15.4391822	*	1.631
	4 0.0	9.579199	*	1.476
	5 0.000007	7.763594	788642.5	1.394
	6 0.000012	6.598807	339212.0	1.344
	7 0.000020	5.889832	184228.9	1.311
	8 0.000027	5.415981	116278.1	1.287
	9 0.000035	5.078142	81010.0	1.270
10	0.000043	4.825650	60561.0	1.256
12	0.000058	4.474223	39037.1	1.236
14	0.000071	4.241775	28446.9	1.222
16	0.000084	4.076879	22406.5	1.212
18	0.000096	3.953927	18591.9	1.204
20	0.000106	3.858769	16003.1	1.198
25	0.000128	3.694358	12202.5	1.187
30	0.000144	3.589455	10174.4	1.181
35	0.000153	3.516736	8929.8	1.176
40	0.000169	3.463372	8095.9	1.172
45	0.000178	3.422549	7499.8	1.169
50	0.000186	3.390312	7053.3	1.167
55	0.000192	3.364213	6708.2	1.165
60	0.000198	3.342651	6432.7	1.164

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	899.583310	*	4.001
	2 0.000078	39.248457	1024589.2	2.018
	3 0.0000349	15.101153	61819.0	1.624
	4 0.0000762	9.604911	14390.8	1.466
	5 0.0001238	7.388505	5844.8	1.382
	6 0.0001726	6.223025	3159.2	1.330
	7 0.0002199	5.533696	2018.3	1.295
	8 0.0002646	5.053958	1434.4	1.270
	9 0.0003062	4.719613	1095.9	1.251
10	0.0003447	4.470069	881.4	1.236
12	0.0004126	4.123277	632.9	1.214
14	0.0004701	3.894272	497.8	1.199
16	0.0005191	3.752020	414.9	1.188
18	0.0005611	3.611158	359.6	1.180
20	0.0005974	3.517691	320.5	1.173
25	0.0006695	3.256367	259.9	1.162
30	0.0007230	3.253552	225.7	1.154
35	0.0007641	3.132338	203.3	1.149
40	0.0007966	3.130110	188.8	1.145
45	0.0008230	3.090175	177.8	1.141
50	0.0008448	3.058652	169.4	1.139
55	0.0008632	3.033139	162.9	1.137
60	0.0008788	3.012067	157.6	1.135

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	921.847903	*	4.001
1	0.000866	39.298575	115206.4	2.016
2	0.002588	14.885863	10164.5	1.620
3	0.004644	9.366342	2833.4	1.459
4	0.006713	7.149091	1275.6	1.373
5	0.008664	5.991067	736.3	1.319
6	0.010454	5.289467	492.0	1.283
7	0.012077	4.822166	361.2	1.257
8	0.013542	4.489859	282.3	1.237
9	0.014865	4.242111	231.8	1.221
10	0.017141	3.898087	171.1	1.199
12	0.019020	3.671141	137.0	1.182
14	0.020539	3.510473	115.7	1.171
16	0.021916	3.390864	101.3	1.162
18	0.023051	3.298413	91.0	1.155
20	0.025276	3.138944	74.8	1.143
25	0.026901	3.037385	65.4	1.134
30	0.028138	2.967077	59.5	1.129
35	0.029111	2.915335	55.3	1.124
40	0.029895	2.876136	52.2	1.121
45	0.030541	2.845044	49.9	1.118
50	0.031032	2.819384	48.1	1.116
55	0.031541	2.799108	46.6	1.114
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	937.111084	*	4.001
1	0.002825	39.332408	42122.0	2.015
2	0.006968	14.737077	4424.0	1.617
3	0.011338	9.201186	1335.1	1.454
4	0.015583	6.983025	627.3	1.366
5	0.019403	5.826402	372.1	1.312
6	0.022826	5.126430	255.1	1.274
7	0.025880	4.660589	138.1	1.247
8	0.028603	4.329562	148.5	1.227
9	0.031038	4.082317	122.5	1.211
10	0.033518	3.740418	91.2	1.187
12	0.038578	3.514665	73.4	1.171
14	0.041390	3.354903	62.2	1.158
16	0.043755	3.236004	54.6	1.149
18	0.045770	3.144123	49.1	1.142
20	0.049698	2.985580	40.4	1.129
25	0.052553	2.884804	35.4	1.120
30	0.054719	2.814934	32.2	1.114
35	0.056417	2.763805	30.0	1.110
40	0.057734	2.724689	28.3	1.106
45	0.058908	2.693323	27.0	1.104
50	0.059847	2.668847	26.0	1.101
55	0.060645	2.648224	25.2	1.099
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	948.216889	*	4.001
1	0.0055681	39.356861	24167.6	2.014
2	0.012556	14.628099	2790.0	1.615
3	0.019468	9.079931	877.4	1.451
4	0.025833	6.860803	421.6	1.362
5	0.031526	5.704938	253.1	1.306
6	0.036571	5.005922	173.4	1.268
7	0.041036	4.540943	129.5	1.241
8	0.044996	4.210641	102.6	1.220
9	0.048521	3.964497	84.8	1.203
10	0.054502	3.623013	63.3	1.179
12	0.059367	3.397912	51.0	1.162
14	0.063390	3.238629	43.2	1.150
16	0.066757	3.120094	37.9	1.140
18	0.069638	3.028498	34.1	1.132
20	0.075226	2.870549	28.0	1.119
25	0.079279	2.769985	24.5	1.110
30	0.082351	2.700377	22.3	1.104
35	0.084757	2.649353	20.7	1.096
40	0.086692	2.610332	19.5	1.096
45	0.088282	2.579576	18.6	1.093
50	0.089611	2.554673	17.9	1.090
55	0.090738	2.534108	17.4	1.088
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	956.656221	*	4.001
1	0.008997	39.375352	17168.2	2.013
2	0.018548	14.544775	2097.7	1.613
3	0.027818	8.986395	675.6	1.448
4	0.036209	6.766895	328.5	1.359
5	0.043642	5.611400	198.4	1.303
6	0.050189	4.912930	136.5	1.264
7	0.055950	4.448446	102.1	1.236
8	0.061063	4.118552	81.0	1.215
9	0.065596	3.872737	67.0	1.199
10	0.073273	3.531731	50.0	1.173
12	0.079505	3.306944	40.2	1.156
14	0.084653	3.147875	34.1	1.143
16	0.088970	3.029489	29.9	1.133
18	0.092640	2.937999	26.8	1.125
20	0.099777	2.780207	22.0	1.111
25	0.104953	2.679720	19.2	1.102
30	0.108873	2.610151	17.4	1.096
35	0.111944	2.559146	16.1	1.091
40	0.114414	2.520154	15.2	1.087
45	0.116443	2.489381	14.5	1.084
50	0.118140	2.464477	13.9	1.082
55	0.119579	2.443909	13.5	1.080
60				

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	963.284579	*	4.001
1	0.012452	39.389805	13690.1	2.013
2	0.024479	14.478956	1735.0	1.612
3	0.035894	8.913417	567.0	1.446
4	0.046118	6.692378	277.6	1.356
5	0.055123	5.537019	168.2	1.300
6	0.063028	4.838840	115.9	1.261
7	0.069980	4.374623	86.8	1.232
8	0.076119	4.044939	68.8	1.211
9	0.081568	3.799283	56.9	1.193
10	0.087078	3.558481	42.4	1.168
12	0.098268	3.233797	34.1	1.151
14	0.104445	3.074775	28.8	1.138
16	0.109626	2.956402	25.2	1.128
18	0.114030	2.864906	22.6	1.120
20	0.122597	2.707059	18.5	1.105
25	0.128811	2.606490	16.1	1.096
30	0.133520	2.536857	14.6	1.090
35	0.137210	2.485784	13.5	1.085
40	0.140179	2.446732	12.7	1.081
45	0.142619	2.415904	12.1	1.078
50	0.144658	2.390952	11.6	1.076
55	0.146389	2.370342	11.2	1.074

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	968.627443	*	4.001
1	0.015856	39.401357	11688.5	2.012
2	0.030120	14.425622	1518.5	1.611
3	0.043457	8.853677	501.0	1.445
4	0.055323	6.631750	246.3	1.354
5	0.065737	5.476386	149.5	1.297
6	0.074859	4.778335	103.1	1.258
7	0.082874	4.314242	77.2	1.229
8	0.089948	3.984643	61.2	1.207
9	0.096224	3.739039	50.5	1.190
10	0.106840	3.398266	37.6	1.165
12	0.115455	3.173552	30.2	1.147
14	0.122572	3.014471	25.5	1.134
16	0.128543	2.896025	22.3	1.123
18	0.133620	2.804451	19.9	1.115
20	0.143503	2.646414	16.2	1.101
25	0.150678	2.545584	14.1	1.091
30	0.156118	2.475856	12.7	1.085
35	0.160334	2.424700	11.8	1.080
40	0.163818	2.385541	11.1	1.076
45	0.166640	2.355462	10.5	1.073
50	0.169001	2.332952	10.1	1.071
55	0.171006	2.308913	9.8	1.069

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12 1	0.005443	976.708912	2032519.3	4.001
2	0.022164	39.418800	9558.9	2.012
3	0.040226	14.344419	1280.00	1.610
4	0.056812	8.762491	427.0	1.443
5	0.071455	6.538971	210.8	1.352
6	0.084259	5.383372	128.2	1.294
7	0.095457	4.685318	88.3	1.255
8	0.105288	4.221216	66.1	1.225
9	0.113964	3.891575	52.3	1.203
10	0.121664	3.645891	43.1	1.185
12	0.134698	3.304832	32.0	1.159
14	0.145288	3.079885	25.6	1.141
16	0.154047	2.920508	21.5	1.128
18	0.161405	2.801773	18.8	1.117
20	0.167670	2.709923	16.7	1.109
25	0.179886	2.551276	13.6	1.094
30	0.188775	2.450043	11.7	1.084
35	0.195529	2.379841	10.5	1.078
40	0.200832	2.328300	9.7	1.073
45	0.205106	2.288853	9.1	1.069
50	0.208624	2.257688	8.6	1.066
55	0.211569	2.232445	8.3	1.063
60	0.214070	2.211582	8.0	1.061

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14 1	0.007468	982.528976	1677851.3	4.001
2	0.027644	39.431217	8488.3	2.012
3	0.048752	14.285479	1156.1	1.609
4	0.067945	8.696121	387.9	1.442
5	0.084824	6.471241	191.8	1.350
6	0.099562	5.315278	116.6	1.292
7	0.112448	4.617040	80.3	1.252
8	0.123765	4.152771	60.0	1.223
9	0.133757	3.822946	47.4	1.200
10	0.142632	3.577062	39.1	1.182
12	0.157674	3.235631	28.9	1.156
14	0.169916	3.010209	23.0	1.137
16	0.180059	2.850425	19.3	1.124
18	0.188594	2.731311	16.8	1.113
20	0.195871	2.639113	15.0	1.104
25	0.210091	2.479714	12.1	1.089
30	0.220466	2.377876	10.4	1.080
35	0.228366	2.307183	9.3	1.073
40	0.234580	2.255237	8.5	1.067
45	0.239595	2.215449	8.0	1.063
50	0.243728	2.183996	7.6	1.060
55	0.247192	2.158505	7.2	1.058
60	0.250137	2.137428	7.0	1.056

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0093222	986.919989	1488094.2	4.001
1	0.032327	39.440508	7866.3	2.011
2	0.055910	14.240734	1082.5	1.609
3	0.077224	8.645622	364.3	1.441
4	0.095932	6.419584	180.3	1.349
5	0.112259	5.263226	109.6	1.291
6	0.126539	4.564735	75.4	1.250
7	0.139088	4.100232	56.3	1.221
8	0.150178	3.770168	44.4	1.198
9	0.160037	3.524040	36.5	1.180
10	0.176769	3.182119	26.9	1.153
12	0.190412	2.556225	21.4	1.135
14	0.201736	2.796001	17.9	1.121
16	0.211280	2.676482	15.5	1.110
18	0.219429	2.583912	13.8	1.101
20	0.235390	2.423722	11.1	1.086
25	0.247067	2.321251	9.5	1.076
30	0.255978	2.250043	8.5	1.069
35	0.263000	2.197671	7.8	1.064
40	0.268677	2.157527	7.3	1.060
45	0.273360	2.125771	6.9	1.056
50	0.277290	2.100021	6.6	1.054
55	0.280634	2.078717	6.3	1.052

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.010981	990.350454	1366119.2	4.001
1	0.036327	39.447716	7469.7	2.011
2	0.061949	14.205599	1034.9	1.608
3	0.085018	8.605399	349.0	1.440
4	0.105244	6.378871	172.8	1.348
5	0.122898	5.222123	104.9	1.290
6	0.138346	4.523359	72.1	1.249
7	0.151932	4.058600	53.8	1.220
8	0.163949	3.728282	42.4	1.197
9	0.174642	3.481899	34.8	1.179
10	0.192815	3.139475	25.6	1.152
12	0.207661	2.913107	20.3	1.133
14	0.220004	2.752443	17.0	1.119
16	0.230423	2.632520	14.7	1.108
18	0.239333	2.539583	13.0	1.099
20	0.256821	2.378608	10.4	1.083
25	0.269649	2.275308	8.9	1.073
30	0.279461	2.203788	7.9	1.066
35	0.287207	2.150992	7.3	1.061
40	0.293478	2.110492	6.8	1.057
45	0.298659	2.078433	6.4	1.053
50	0.303011	2.052422	6.1	1.051
55	0.306718	2.030893	5.8	1.049

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.012454	993.104343	1288658.8	4.001
2	0.039759	39.453467	7199.9	2.011
3	0.067087	14.177276	1002.1	1.608
4	0.091628	8.573830	338.3	1.440
5	0.113134	6.345949	167.5	1.248
6	0.131910	5.188833	101.7	1.239
7	0.148350	4.489797	69.8	1.248
8	0.162820	4.024783	52.0	1.219
9	0.175630	3.694213	41.0	1.196
10	0.187039	3.447578	33.6	1.177
12	0.206455	3.104667	24.7	1.150
14	0.222344	2.877839	19.6	1.131
16	0.235575	2.716752	16.3	1.117
18	0.246761	2.596442	14.1	1.106
20	0.256340	2.503151	12.5	1.097
25	0.275180	2.341420	10.0	1.081
30	0.289036	2.237713	8.5	1.071
35	0.299656	2.165496	7.5	1.064
40	0.308055	2.112288	6.9	1.059
45	0.314865	2.071441	6.4	1.054
50	0.320498	2.039087	6.0	1.051
55	0.325235	2.012820	5.7	1.048
60	0.329274	1.991068	5.5	1.046

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.015446	998.082475	1184833.1	4.001
2	0.046471	39.463780	6807.3	2.011
3	0.077042	14.125799	953.3	1.608
4	0.104395	8.515431	322.5	1.439
5	0.128360	6.285869	159.6	1.347
6	0.149303	5.127953	96.8	1.288
7	0.167669	4.428295	66.4	1.247
8	0.183865	3.962695	49.4	1.217
9	0.198232	3.631546	38.3	1.194
10	0.211053	3.384341	31.8	1.175
12	0.232937	3.040327	23.3	1.148
14	0.250914	2.812467	18.4	1.129
16	0.265939	2.650427	15.3	1.114
18	0.278683	2.529244	13.1	1.103
20	0.289629	2.435154	11.6	1.094
25	0.311259	2.271710	9.2	1.078
30	0.327261	2.166615	7.8	1.068
35	0.339586	2.093257	6.9	1.060
40	0.349373	2.039097	6.3	1.055
45	0.357336	1.997443	5.9	1.050
50	0.363942	1.964398	5.5	1.047
55	0.369512	1.937533	5.2	1.044
60	0.374273	1.915258	5.0	1.042

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.017695	100 1.416185	112 6125.1	4.001
	2 0.051337	39 4.70623	6 604.2	2.011
	3 0.084196	14 0.091119	9 28.5	1.607
	4 0.113547	8 4.76001	31 4.1	1.439
	5 0.139268	6 2.45207	1 55.4	1.346
	6 0.161771	5 0.86650	94 2.2	1.287
	7 0.181533	4 3.86472	64 3.5	1.246
	8 0.198937	3 3.920379	47 9	1.216
	9 0.214495	3 3.588745	37 6	1.193
	10 0.228357	3 3.341063	30 8	1.174
	12 0.252076	2 2.996128	22 5	1.147
	14 0.271621	2 2.767406	17 7	1.127
	16 0.288005	2 2.604568	14 7	1.112
	18 0.301941	2 2.482651	12 6	1.101
	20 0.313942	2 2.387887	11 1	1.092
	25 0.337747	2 2.222986	8 8	1.076
	30 0.355448	2 2.115698	7 4	1.065
	35 0.369139	2 2.042351	6 5	1.058
	40 0.380051	1 1.987357	5 9	1.052
	45 0.388936	1 1.944993	5 5	1.048
	50 0.396364	1 1.911335	5 1	1.044
	55 0.402625	1 1.883936	4 8	1.042
	60 0.407987	1 1.861192	4 6	1.039

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.019430	100 3.804665	109 6490.2	4.001
	2 0.0555009	39 4.75494	6 485.1	2.011
	3 0.089566	14 0.066165	9 13.5	1.607
	4 0.120406	8 4.47587	30 9.2	1.439
	5 0.147445	6 2.15852	1 52.9	1.346
	6 0.171122	5 0.56781	92 6	1.287
	7 0.191941	4 3.56175	63 4	1.246
	8 0.210332	3 3.889673	47 0	1.215
	9 0.226732	3 3.557638	36 9	1.193
	10 0.241394	3 3.309560	30 2	1.173
	12 0.266530	2 2.963863	22 0	1.146
	14 0.287297	2 2.734425	17 3	1.126
	16 0.304748	2 2.570922	14 3	1.111
	18 0.319625	2 2.448391	12 3	1.100
	20 0.332464	2 2.353060	10 8	1.091
	25 0.358016	2 2.186926	8 5	1.075
	30 0.377098	2 2.079618	7 2	1.064
	35 0.391912	2 2.004417	6 3	1.056
	40 0.403735	1 1.948699	5 7	1.050
	45 0.413448	1 1.905713	5 2	1.046
	50 0.421530	1 1.871516	4 9	1.043
	55 0.428376	1 1.843645	4 6	1.040
	60 0.434249	1 1.820484	4 4	1.037

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.020803	1005.599967	1077585.2	4.001
1	0.057870	39.479137	6409.1	2.011
2	0.093737	14.047349	903.9	1.607
3	0.125731	8.426136	305.9	1.439
4	0.153792	6.193663	151.3	1.346
5	0.178386	5.034172	91.6	1.287
6	0.200032	4.333212	62.6	1.245
7	0.219195	3.866371	46.5	1.215
8	0.236264	3.534001	36.4	1.192
9	0.251559	3.285595	29.8	1.173
10	0.277823	3.093261	24.7	1.145
11	0.299568	2.909225	21.0	1.125
12	0.317878	2.709164	17.4	1.111
13	0.333518	2.545116	14.2	1.099
14	0.347040	2.422116	11.0	1.090
15	0.374027	2.333912	8.3	1.074
16	0.394256	2.250939	7.0	1.063
17	0.410009	2.186499	6.0	1.055
18	0.422640	2.137511	5.3	1.049
19	0.433001	2.097511	4.7	1.045
20	0.441660	2.064046	4.3	1.041
22	0.449008	2.012157	4.0	1.038
24	0.455323	1.978625	4.3	1.036

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.021914	1006.998639	1063828.8	4.001
1	0.060161	39.481964	6357.6	2.011
2	0.097058	14.032654	897.4	1.607
3	0.129980	8.409368	303.7	1.438
4	0.158859	6.166462	150.1	1.346
5	0.184188	5.016462	90.9	1.286
6	0.206499	4.315206	62.1	1.245
7	0.226269	3.848079	46.1	1.215
8	0.243895	3.515429	36.5	1.191
9	0.259703	3.266746	29.5	1.173
10	0.286896	3.091877	24.4	1.145
11	0.309432	2.919835	21.8	1.125
12	0.328450	2.752480	17.9	1.110
13	0.344721	2.601313	14.9	1.099
14	0.358810	2.465095	11.5	1.090
15	0.386998	2.337009	8.2	1.074
16	0.408194	2.228069	6.9	1.062
17	0.424747	2.137511	6.0	1.054
18	0.438051	2.064046	5.4	1.048
19	0.448989	2.012157	5.0	1.044
20	0.458147	1.978625	4.6	1.040
22	0.465932	1.912157	4.4	1.037
24	0.472633	1.862956	4.2	1.035

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.022830	1008.119035	1054851.3	4.001
2	0.062034	39.484222	6320.9	2.011
3	0.099787	14.020860	892.7	1.607
4	0.133448	8.395900	302.2	1.438
5	0.162996	6.162341	149.3	1.345
6	0.188926	5.002213	90.3	1.286
7	0.211784	4.300706	61.8	1.245
8	0.232054	3.833338	45.8	1.214
9	0.250139	3.500449	35.9	1.191
10	0.266372	3.251532	29.3	1.172
12	0.294319	2.904207	21.3	1.144
14	0.317533	2.673233	16.7	1.125
16	0.337144	2.508295	13.8	1.110
18	0.353945	2.384429	11.3	1.098
20	0.368513	2.287858	10.3	1.089
25	0.397720	2.113992	8.1	1.072
30	0.419744	2.009393	6.8	1.061
35	0.436985	1.932245	5.9	1.053
40	0.450874	1.874356	5.3	1.048
45	0.462314	1.830420	4.9	1.043
50	0.471909	1.794352	4.6	1.039
55	0.480078	1.765959	4.3	1.037
60	0.487120	1.741800	4.1	1.034

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.023597	1009.036684	1046024.1	4.001
2	0.063593	39.486067	6294.0	2.011
3	0.102048	14.011185	889.2	1.607
4	0.136331	8.384845	301.0	1.438
5	0.166435	6.150876	148.7	1.345
6	0.192868	4.990501	90.0	1.286
7	0.216183	4.283780	61.5	1.245
8	0.236872	3.821205	45.6	1.214
9	0.255343	3.488111	35.7	1.191
10	0.271934	3.238992	29.1	1.172
12	0.300524	2.891275	21.2	1.144
14	0.324305	2.659929	16.6	1.124
16	0.344419	2.494641	13.7	1.109
18	0.361672	2.370447	11.7	1.098
20	0.376650	2.273571	10.3	1.089
25	0.406733	2.104024	8.0	1.072
30	0.429473	1.993345	6.7	1.061
35	0.447315	1.916200	5.8	1.053
40	0.461715	1.858378	5.3	1.047
45	0.473597	1.813562	4.8	1.043
50	0.483578	1.777759	4.5	1.039
55	0.492088	1.748468	4.2	1.036
60	0.499434	1.724042	4.0	1.033

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
60				
1	0.024249	1009.802050	1041665.7	4.001
2	0.064911	39.487602	6273.6	2.011
3	0.103957	14.003105	886.6	1.607
4	0.138765	8.375608	300.1	1.438
5	0.169340	6.141291	148.3	1.345
6	0.196199	4.980703	89.7	1.286
7	0.219902	4.278797	61.3	1.245
8	0.240946	3.811043	45.4	1.214
9	0.259745	3.477772	35.6	1.191
10	0.276641	3.228477	29.0	1.172
12	0.305782	2.880420	21.1	1.144
14	0.330048	2.648750	16.5	1.124
16	0.350596	2.483157	13.6	1.109
18	0.368240	2.358677	11.6	1.098
20	0.383572	2.261532	10.2	1.088
25	0.414416	2.091387	7.9	1.072
30	0.437784	1.980696	6.6	1.061
35	0.456153	1.902608	5.8	1.053
40	0.471004	1.844400	5.2	1.047
45	0.483278	1.799245	4.8	1.042
50	0.493603	1.763140	4.4	1.038
55	0.502418	1.733580	4.2	1.035
60	0.510035	1.708912	4.0	1.033

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	4052.180699	*	4.000
2	0.0	98.502513	*	2.015
3	0.0	34.116222	*	1.628
4	0.0	21.197690	*	1.478
5	0.0	16.258177	*	1.401
6	0.0	13.745023	*	1.356
7	0.0	12.246383	*	1.326
8	0.0	11.258624	*	1.305
9	0.0	10.561431	*	1.289
10	0.0	10.044239	*	1.277
12	0.0	9.330212	*	1.260
14	0.0	8.861593	*	1.248
16	0.0	8.530965	*	1.240
18	0.0	8.285420	*	1.233
20	0.0	8.095958	*	1.228
25	0.0	7.769798	*	1.220
30	0.0	7.562476	*	1.214
35	0.0	7.419117	*	1.210
40	0.0	7.314100	*	1.207
45	0.0	7.233868	*	1.205
50	0.0	7.170577	*	1.203
55	0.0	7.119377	*	1.201
60	0.0	7.077106	*	1.200

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	4999.500001	*	4.000
3	0.0	99.000000	*	2.010
4	0.0	30.816520	*	1.616
5	0.0	18.000000	*	1.460
6	0.0	13.273934	*	1.379
7	0.0	10.924767	*	1.331
8	0.0	9.546578	*	1.299
9	0.0	8.649111	*	1.276
10	0.0	8.021517	*	1.259
12	0.0	7.559432	*	1.246
14	0.0	6.926608	*	1.233
16	0.0	6.514884	*	1.215
18	0.0	6.226235	*	1.206
20	0.0	6.012905	*	1.199
25	0.0	5.848932	*	1.194
30	0.0	5.567997	*	1.184
35	0.0	5.390346	*	1.178
40	0.0	5.267941	*	1.174
45	0.0	5.178508	*	1.170
50	0.0	5.110318	*	1.168
55	0.0	5.056611	*	1.166
60	0.0	5.013219	*	1.165
		4.977432	*	1.163

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	5403.352024	*	4.000
	2 0.0	99.166201	*	2.008
	3 0.0	29.456695	*	1.611
	4 0.0	16.694369	*	1.452
	5 0.0	12.059954	*	1.366
	6 0.0	9.779538	*	1.318
	7 0.0	8.451285	*	1.285
	8 0.0	7.590992	*	1.261
	9 0.0000004	6.991920	917430.2	1.243
	10 0.0000005	6.552316	645160.3	1.230
	12 0.0000007	5.952549	378786.9	1.210
	14 0.0000009	5.563892	258396.9	1.197
	16 0.0000011	5.292221	193049.2	1.187
	18 0.0000013	5.091898	154082.2	1.179
	20 0.0000014	4.938203	128368.7	1.173
	23 0.0000018	4.675477	92420.4	1.163
	30 0.0000021	4.509753	74073.1	1.156
	35 0.0000023	4.395765	63250.1	1.152
	40 0.0000025	4.312586	56147.2	1.148
	45 0.0000027	4.249226	51176.1	1.146
	50 0.0000028	4.199362	47504.9	1.144
	55 0.0000029	4.159100	44701.7	1.142
	60 0.0000030	4.125912	42461.8	1.140

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	5624.583324	*	4.000
	2 0.0	99.249372	*	2.007
	3 0.0000076	28.709936	523559.2	1.608
	4 0.0000192	15.977121	90008.0	1.447
	5 0.0000343	11.392100	30412.6	1.362
	6 0.0000508	9.148555	14531.8	1.310
	7 0.0000677	7.846984	8495.9	1.275
	8 0.0000842	7.006498	5647.1	1.250
	9 0.0001000	6.422586	4094.3	1.232
	10 0.0001150	5.994914	3157.1	1.217
	12 0.0001421	5.412663	2127.2	1.196
	14 0.0001656	5.036207	1598.0	1.182
	16 0.0001861	4.773509	1286.4	1.171
	18 0.0002039	4.580057	1085.1	1.163
	20 0.0002195	4.431789	946.0	1.157
	25 0.0002505	4.178676	737.3	1.146
	30 0.0002746	4.019251	623.3	1.139
	35 0.0002930	3.909708	552.3	1.133
	40 0.0003077	3.829834	504.2	1.130
	45 0.0003197	3.769028	469.5	1.127
	50 0.0003297	3.721196	443.4	1.125
	55 0.0003381	3.682589	423.1	1.123
	60 0.0003453	3.650776	406.8	1.121

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	5763.649555	*	4.000
1	0.000254	99.299358	980391.2	2.007
2	0.000929	28.237453	52327.6	1.605
3	0.001840	15.522596	11342.0	1.443
4	0.002824	10.568154	4388.2	1.356
5	0.003793	8.747420	2288.2	1.303
6	0.004710	7.462330	1421.2	1.267
7	0.005561	6.634063	987.3	1.242
8	0.006344	6.059494	740.1	1.222
9	0.007060	5.639169	585.8	1.207
10	0.008314	5.067692	409.5	1.185
12	0.009366	4.698738	316.0	1.170
14	0.010258	4.415554	259.2	1.159
16	0.011019	4.252323	221.6	1.150
18	0.011675	4.107391	195.5	1.144
20	0.012976	3.860188	155.3	1.132
25	0.013937	3.704637	132.9	1.124
30	0.014675	3.597329	118.8	1.119
35	0.015259	3.519990	109.1	1.115
40	0.015732	3.460756	102.1	1.111
45	0.016123	3.414177	96.8	1.109
50	0.016451	3.376591	92.6	1.107
55	0.016731	3.345626	89.2	1.105
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	5858.986105	*	4.000
1	0.001119	99.332963	267378.7	2.006
2	0.003194	27.911730	17920.1	1.604
3	0.005612	15.208755	4322.8	1.440
4	0.008022	10.674963	1776.1	1.352
5	0.010283	8.469604	961.5	1.298
6	0.012353	7.195591	612.4	1.262
7	0.014239	6.375509	433.0	1.235
8	0.015939	5.807180	328.9	1.215
9	0.017473	5.391746	262.9	1.200
10	0.020126	4.827415	186.5	1.177
12	0.022321	4.463411	145.0	1.161
14	0.024161	4.209852	119.7	1.149
16	0.025721	4.023387	102.8	1.140
18	0.027059	3.880633	90.9	1.133
20	0.029690	3.637275	72.6	1.121
25	0.031620	3.484232	62.3	1.113
30	0.033095	3.379189	55.6	1.107
35	0.034258	3.302659	51.3	1.103
40	0.035197	3.244436	48.0	1.100
45	0.035971	3.198659	45.5	1.097
50	0.036621	3.161726	43.6	1.095
55	0.037174	3.131303	42.0	1.093
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	5928.355728	*	4.000
1	0.002679	99.357146	129365.1	2.006
2	0.006637	27.673625	9863.9	1.603
3	0.010889	14.978941	2520.8	1.438
4	0.014952	10.459900	1068.5	1.349
5	0.018674	8.265494	589.4	1.295
6	0.022029	6.999334	379.9	1.257
7	0.025039	6.185026	270.8	1.230
8	0.027737	5.621074	206.6	1.210
9	0.030160	5.209055	166.0	1.194
10	0.034315	4.649679	118.3	1.170
12	0.037733	4.289079	92.2	1.154
14	0.040584	4.037993	76.3	1.142
16	0.042995	3.853401	65.6	1.133
18	0.045057	3.712114	58.0	1.126
20	0.049100	3.471323	46.3	1.113
25	0.052059	3.319937	39.7	1.104
30	0.054314	3.215051	35.5	1.098
35	0.056090	3.140374	32.6	1.094
40	0.057523	3.082804	30.5	1.091
45	0.058704	3.037544	29.0	1.088
50	0.059693	3.001031	27.7	1.086
55	0.060535	2.970955	26.7	1.084
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	5981.070320	*	4.000
1	0.004752	99.375425	82643.6	2.005
2	0.010751	27.491949	6811.0	1.602
3	0.016888	14.803281	1801.2	1.436
4	0.022611	10.295227	777.2	1.347
5	0.027780	8.108950	433.1	1.292
6	0.032400	6.848587	280.9	1.254
7	0.036519	6.033513	201.0	1.227
8	0.040196	5.477753	153.9	1.206
9	0.043487	5.068206	123.7	1.190
10	0.049113	4.512385	88.3	1.166
12	0.053727	4.154197	68.9	1.149
14	0.057569	3.904844	56.9	1.137
16	0.060813	3.721553	48.9	1.127
18	0.063585	3.581275	43.2	1.120
20	0.069014	3.342224	34.4	1.106
25	0.072933	3.191943	29.5	1.098
30	0.076008	3.088817	26.3	1.092
35	0.078387	3.013694	24.2	1.087
40	0.080307	2.956545	22.6	1.084
45	0.081889	2.911615	21.4	1.081
50	0.083213	2.875367	20.4	1.078
55	0.084342	2.845509	19.7	1.077
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	6022.473237	*	4.000
1	0.0007115	99.389724	61273.5	2.005
2	0.015126	27.348734	5320.7	1.601
3	0.023068	14.664574	1437.5	1.435
4	0.030363	10.164976	627.2	1.346
5	0.036898	7.984934	351.5	1.290
6	0.042708	6.728989	228.7	1.252
7	0.047870	5.922121	164.0	1.224
8	0.052467	5.363757	125.7	1.203
9	0.056576	4.956054	101.0	1.186
10	0.063589	4.402853	72.1	1.162
12	0.069333	4.046417	56.2	1.145
14	0.074114	3.798305	46.4	1.132
16	0.078148	3.615931	39.8	1.123
18	0.081595	3.476355	35.2	1.115
20	0.088346	3.238493	27.9	1.101
25	0.093280	3.088946	23.9	1.092
30	0.097041	2.986313	21.3	1.086
35	0.100001	2.911542	19.5	1.082
40	0.102389	2.854656	18.2	1.078
45	0.104358	2.809930	17.2	1.075
50	0.106007	2.773844	16.4	1.073
55	0.107409	2.744116	15.8	1.071
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	6055.846715	*	4.000
1	0.009595	99.401207	49725.5	2.005
2	0.019503	27.232910	4472.9	1.601
3	0.029121	14.552221	1226.4	1.434
4	0.037868	10.059309	538.6	1.344
5	0.045661	7.884176	502.9	1.288
6	0.052569	6.631688	197.5	1.250
7	0.058694	5.827309	141.7	1.222
8	0.064144	5.270792	108.6	1.200
9	0.069011	4.864496	87.3	1.184
10	0.077312	4.313271	62.2	1.159
12	0.084110	3.958130	48.4	1.142
14	0.089767	3.710919	39.9	1.129
16	0.094542	3.529199	34.2	1.119
18	0.098622	3.390114	30.2	1.111
20	0.106618	3.153060	23.9	1.097
25	0.112466	3.003991	20.4	1.088
30	0.116925	2.901668	18.1	1.082
35	0.120436	2.827110	16.6	1.077
40	0.123271	2.770378	15.4	1.073
45	0.125608	2.725767	14.6	1.071
50	0.127567	2.689769	13.9	1.068
55	0.129233	2.660113	13.4	1.066
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	6106.320705	*	4.000
1	0.014498	99.418479	38079.7	2.005
2	0.027757	27.056998	3579.9	1.600
3	0.040301	14.381240	998.6	1.433
4	0.051579	9.898179	441.5	1.343
5	0.061571	7.730238	249.4	1.286
6	0.070401	6.482767	162.8	1.247
7	0.078220	5.681959	116.8	1.218
8	0.085171	5.128055	89.4	1.197
9	0.091377	4.723725	71.8	1.180
10	0.101966	4.175196	51.0	1.154
12	0.110644	3.821766	39.6	1.137
14	0.117873	3.575701	32.5	1.124
16	0.123981	3.394783	27.8	1.114
18	0.129206	3.256276	24.5	1.106
20	0.139463	3.020107	19.2	1.091
25	0.146981	2.871504	16.3	1.082
30	0.152723	2.769445	14.5	1.075
35	0.157251	2.695045	13.2	1.070
40	0.160912	2.638410	12.3	1.067
45	0.163932	2.593859	11.5	1.064
50	0.166467	2.557900	11.0	1.061
55	0.168624	2.528266	10.5	1.059
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	6142.673372	*	4.000
1	0.019004	99.430827	32508.8	2.005
2	0.035045	26.929679	3134.8	1.600
3	0.050006	14.257204	882.6	1.432
4	0.063379	9.781013	392.0	1.341
5	0.075198	7.618050	221.5	1.284
6	0.085633	6.374004	144.5	1.245
7	0.094871	5.575594	103.6	1.216
8	0.103086	5.023412	79.2	1.194
9	0.110425	4.620347	63.5	1.177
10	0.117861	4.073491	45.1	1.151
12	0.133250	3.721059	34.9	1.133
14	0.141835	3.475614	28.6	1.120
16	0.149100	3.295091	24.3	1.110
18	0.155324	3.156840	21.4	1.102
20	0.167567	2.920976	16.7	1.087
25	0.176565	2.772451	14.1	1.078
30	0.183453	2.670376	12.5	1.071
35	0.188893	2.595921	11.3	1.066
40	0.193299	2.539216	10.5	1.062
45	0.196938	2.494590	9.9	1.059
50	0.199995	2.458557	9.4	1.056
55	0.202593	2.428852	9.0	1.054
60				

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	0.101205	*	4.000
1	0.023002	99.440080	29376.2	2.005
2	0.041355	26.833241	2877.1	1.599
3	0.058316	14.163074	814.4	1.432
4	0.073433	9.691927	362.4	1.341
5	0.086779	7.532589	204.8	1.283
6	0.098551	6.291006	133.6	1.244
7	0.108997	5.494290	95.7	1.215
8	0.118284	4.943300	73.1	1.193
9	0.126588	4.541088	58.5	1.175
10	0.134079	4.253100	41.4	1.149
11	0.140790	3.995310	31.9	1.131
12	0.146999	3.763468	26.6	1.111
13	0.152630	3.553466	22.2	1.099
14	0.157823	3.369818	19.4	1.084
15	0.162530	3.208394	17.2	1.074
16	0.166823	3.065284	15.5	1.067
17	0.170750	2.935039	14.2	1.062
18	0.174369	2.813414	13.0	1.058
19	0.177760	2.695547	11.9	1.055
20	0.180982	2.586774	10.8	1.053
21	0.184099	2.486605	9.8	1.050
22	0.187154	2.390778	8.9	1.050
23	0.190191	2.300000	8.0	1.050
24	0.193223	2.213414	7.2	1.050
25	0.196253	2.130774	6.4	1.050
26	0.199289	2.050000	5.7	1.050
27	0.202323	1.970000	5.0	1.050
28	0.205353	1.890000	4.4	1.050
29	0.208389	1.810000	3.8	1.050
30	0.211423	1.730000	3.3	1.050
31	0.214453	1.650000	2.8	1.050
32	0.217489	1.570000	2.4	1.050
33	0.220523	1.490000	2.0	1.050
34	0.223553	1.410000	1.7	1.050
35	0.226589	1.330000	1.4	1.050
36	0.229623	1.250000	1.2	1.050

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	0.528710	*	4.000
1	0.026505	99.447265	27418.8	2.005
2	0.046782	26.757653	2713.1	1.599
3	0.065428	14.089183	770.6	1.432
4	0.082012	9.621882	343.3	1.341
5	0.096648	7.465289	194.0	1.283
6	0.109574	6.225348	126.4	1.244
7	0.121032	5.430079	90.5	1.215
8	0.131235	4.879945	69.0	1.193
9	0.140368	4.478330	55.2	1.175
10	0.148600	4.163265	43.9	1.149
11	0.156008	3.933767	35.0	1.131
12	0.162894	3.736793	28.4	1.111
13	0.169363	3.564777	23.0	1.099
14	0.175443	3.413277	18.1	1.084
15	0.181171	3.278208	14.4	1.074
16	0.186671	3.153297	11.8	1.067
17	0.191967	3.033003	10.4	1.062
18	0.197072	2.915946	9.4	1.058
19	0.202001	2.800000	8.6	1.055
20	0.206789	2.685907	8.0	1.053
21	0.211453	2.580770	7.7	1.050
22	0.216000	2.480752	7.3	1.050
23	0.220453	2.380000	6.9	1.050
24	0.224823	2.280000	6.4	1.050
25	0.229111	2.180000	6.0	1.050
26	0.233323	2.080000	5.7	1.050
27	0.237453	1.980000	5.0	1.050
28	0.241500	1.880000	4.4	1.050
29	0.245463	1.780000	3.8	1.050
30	0.249343	1.680000	3.3	1.050
31	0.253143	1.580000	2.8	1.050
32	0.256863	1.480000	2.4	1.050
33	0.260500	1.380000	2.0	1.050
34	0.264053	1.280000	1.7	1.050
35	0.267523	1.180000	1.4	1.050
36	0.270911	1.080000	1.2	1.050

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0	6208 .730219	* 4.000	
	2 0.029568	99.4530002	26101.8	2.005
	3 0.051476	26.696809	2601.6	1.599
	4 0.071544	14.029628	740.6	1.431
	5 0.089376	9.565352	330.1	1.340
	6 0.105115	7.410903	186.5	1.282
	7 0.119022	6.172584	121.5	1.242
	8 0.131358	5.378059	86.8	1.213
	9 0.142353	4.828561	66.2	1.191
	10 0.152204	4.427375	52.9	1.173
	12 0.169097	3.882788	37.3	1.147
	14 0.183039	3.531481	28.6	1.128
	16 0.194733	3.286548	23.3	1.114
	18 0.204677	3.106192	19.8	1.104
	20 0.213235	3.967908	17.2	1.095
	25 0.230178	3.731546	13.3	1.080
	30 0.242736	3.582320	11.1	1.070
	35 0.252414	3.479531	9.7	1.063
	40 0.260102	3.404407	8.8	1.057
	45 0.266355	3.347094	8.1	1.053
	50 0.271543	3.301922	7.6	1.050
	55 0.275914	3.265400	7.2	1.048
	60 0.279649	3.235256	6.8	1.045

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.0	6239 .825119	* 4.000	
	2 0.035692	99.463297	24217.9	2.005
	3 0.060735	26.586434	2439.2	1.599
	4 0.083554	13.921409	696.5	1.431
	5 0.103810	9.462447	310.5	1.339
	6 0.121703	7.311726	175.3	1.281
	7 0.137537	6.075931	114.0	1.241
	8 0.151609	5.282877	81.4	1.212
	9 0.164177	4.734393	62.0	1.189
	10 0.175461	4.333853	49.4	1.171
	12 0.194870	3.789888	34.7	1.145
	14 0.210955	3.438702	26.5	1.126
	16 0.224496	3.193636	21.5	1.112
	18 0.236052	3.013015	18.2	1.101
	20 0.246028	2.874400	15.8	1.092
	25 0.265878	2.637123	12.1	1.077
	30 0.280680	2.487007	10.1	1.066
	35 0.292148	2.333413	8.8	1.059
	40 0.301295	2.307577	7.9	1.054
	45 0.308764	2.249638	7.2	1.050
	50 0.314978	2.203915	6.7	1.046
	55 0.320230	2.166905	6.4	1.044
	60 0.324728	2.136328	6.0	1.041

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.0	62 60.648578	* 4.000	4.000
2	0.040226	99.470133	232 54.8	2.005
3	0.067508	26.512226	23 55.0	1.599
4	0.092302	13.848512	6 73.3	1.430
5	0.114212	9.392988	3 00.2	1.338
6	0.133773	7.244647	1 69.4	1.280
7	0.151020	6.010263	1 10.1	1.240
8	0.166372	5.218249	1 78.5	1.211
9	0.180108	4.670335	59.7	1.188
10	0.192461	4.270121	47.5	1.170
12	0.213765	3.726369	33.3	1.143
14	0.231479	3.375073	25.4	1.124
16	0.246439	3.129739	20.6	1.110
18	0.259242	2.948775	17.3	1.099
20	0.270326	2.809784	15.0	1.090
25	0.292470	2.571547	11.5	1.075
30	0.309072	2.420540	9.5	1.064
35	0.321991	2.316155	8.2	1.057
40	0.332336	2.239624	7.4	1.051
45	0.340810	2.181074	6.7	1.047
50	0.347881	2.134814	6.3	1.044
55	0.353872	2.097329	5.9	1.041
60	0.359013	2.066329	5.6	1.039

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.0	62 75.567904	* 4.000	4.000
2	0.043693	99.474999	227 00.5	2.004
3	0.072650	26.458908	23 05.5	1.599
4	0.098928	13.796064	6 59.7	1.430
5	0.122263	9.342940	2 54.1	1.338
6	0.142914	7.196241	1 65.8	1.280
7	0.161239	5.962878	1 07.7	1.240
8	0.177573	5.171476	76.7	1.210
9	0.192209	4.623909	58.3	1.188
10	0.205390	4.223870	46.4	1.170
12	0.228170	3.680155	32.4	1.143
14	0.247163	3.328670	24.7	1.124
16	0.263245	3.083039	19.5	1.109
18	0.277043	2.901730	16.8	1.098
20	0.289014	2.762374	14.5	1.089
25	0.313018	2.523237	11.1	1.073
30	0.331095	2.371405	9.1	1.063
35	0.345217	2.266290	7.9	1.055
40	0.356563	2.189118	7.0	1.050
45	0.365884	2.130005	6.4	1.045
50	0.373682	2.083247	6.0	1.042
55	0.380305	2.045320	5.6	1.039
60	0.385997	2.013927	5.3	1.037

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.0	6286.782060	#	4.000
	2 0.046421	99.478640	22345.4	2.004
	3 0.076675	26.418747	2273.8	1.598
	4 0.104108	13.756517	650.9	1.430
	5 0.128477	9.305160	290.1	1.338
	6 0.150063	7.159660	163.5	1.290
	7 0.169237	5.927027	106.1	1.240
	8 0.186348	5.136048	75.6	1.210
	9 0.201697	4.588707	57.4	1.187
	10 0.215538	4.188763	45.6	1.169
	12 0.239500	3.645004	31.8	1.142
	14 0.259524	3.293309	24.2	1.123
	16 0.276516	3.047390	19.5	1.109
	18 0.291124	2.865758	16.4	1.097
	20 0.303824	2.726068	14.2	1.089
	25 0.329363	2.486115	10.8	1.073
	30 0.348673	2.333540	8.9	1.062
	35 0.363809	2.227767	7.6	1.054
	40 0.376006	2.150015	6.8	1.049
	45 0.386051	2.090390	6.2	1.044
	50 0.394474	2.043179	5.7	1.041
	55 0.401640	2.004848	5.4	1.038
	60 0.407814	1.973094	5.1	1.036

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.0	6295.518731	#	4.000
	2 0.048618	99.481466	22103.3	2.004
	3 0.079907	26.387408	2252.4	1.598
	4 0.108264	13.725632	644.9	1.430
	5 0.133464	9.275628	287.4	1.338
	6 0.155902	7.131039	161.9	1.290
	7 0.175661	5.898953	105.1	1.239
	8 0.193401	5.108281	74.8	1.210
	9 0.209331	4.561092	56.7	1.187
	10 0.223709	4.161199	45.1	1.169
	12 0.248638	3.617362	31.4	1.142
	14 0.269511	3.265458	23.9	1.123
	16 0.287255	3.019271	19.3	1.108
	18 0.302537	2.837345	16.2	1.097
	20 0.315844	2.697355	14.0	1.088
	25 0.342674	2.456672	10.6	1.072
	30 0.363030	2.303434	8.7	1.061
	35 0.379032	2.197071	7.5	1.053
	40 0.391960	2.118797	6.6	1.048
	45 0.402633	2.058711	6.0	1.043
	50 0.411600	2.011090	5.6	1.040
	55 0.419243	1.972393	5.2	1.037
	60 0.425839	1.940310	4.9	1.035

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0	6302.517196	*	4.000
1	0.050424	99.483723	21933.6	2.004
2	0.082557	26.362271	2237.1	1.598
3	0.111669	13.700843	640.6	1.430
4	0.137550	9.251909	285.4	1.338
5	0.160507	7.103035	160.8	1.280
6	0.180931	5.876371	104.3	1.239
7	0.199191	5.085930	74.2	1.210
8	0.215602	4.538848	56.3	1.187
9	0.230427	4.138981	44.7	1.169
10	0.256151	3.595049	31.1	1.141
12	0.277744	3.242948	23.7	1.122
14	0.296121	3.096517	19.1	1.108
16	0.311972	2.814327	16.0	1.097
18	0.325794	2.674069	13.8	1.088
20	0.335372	2.432734	10.4	1.071
25	0.374977	2.278904	8.5	1.061
30	0.391729	2.172013	7.3	1.053
35	0.405294	2.093271	6.5	1.047
40	0.416516	2.032769	5.9	1.043
45	0.425960	1.984777	5.5	1.039
50	0.434024	1.945748	5.1	1.036
55	0.440993	1.913366	4.8	1.034

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0	6308.249227	*	4.000
1	0.051934	99.485567	21809.3	2.004
2	0.084768	26.341660	2225.8	1.598
3	0.114510	13.680507	637.4	1.430
4	0.140959	9.232440	284.0	1.338
5	0.164433	7.089141	159.9	1.280
6	0.185331	5.857813	103.7	1.239
7	0.204028	5.067550	73.8	1.209
8	0.220843	4.520545	55.9	1.187
9	0.236045	4.120688	44.4	1.168
10	0.262461	3.576659	30.9	1.141
12	0.284648	3.224375	23.5	1.122
14	0.303564	2.977723	19.9	1.107
16	0.319901	2.795296	15.8	1.096
18	0.334165	2.654798	13.7	1.087
20	0.363044	2.412882	10.3	1.071
25	0.385076	2.258522	8.4	1.060
30	0.402483	2.151158	7.2	1.052
35	0.416607	2.071995	6.4	1.047
40	0.428313	2.011117	5.8	1.042
45	0.438181	1.962789	5.4	1.039
50	0.446620	1.923458	5.0	1.036
55	0.453922	1.890803	4.7	1.033

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	0.030051	*	4.000
1	0.053215	99.487102	21714.5	2.004
2	0.086640	26.324455	2217.3	1.598
3	0.116914	13.663524	635.0	1.430
4	0.143845	9.216172	282.9	1.338
5	0.167758	7.073346	159.3	1.279
6	0.189059	5.842290	103.3	1.239
7	0.208128	5.052169	73.4	1.209
8	0.225288	4.505221	55.7	1.186
9	0.240812	4.105365	44.2	1.163
10	0.267813	3.561238	30.7	1.141
12	0.290518	3.208787	23.3	1.122
14	0.309900	2.961935	18.8	1.107
16	0.326657	2.779296	15.7	1.096
18	0.341304	2.638582	13.6	1.087
20	0.357101	2.536147	10.2	1.071
25	0.393726	2.241312	8.4	1.060
30	0.411710	2.133523	7.2	1.052
35	0.426330	2.053979	6.4	1.046
40	0.438466	1.993761	5.8	1.042
45	0.448712	1.944128	5.3	1.038
50	0.457486	1.904521	5.0	1.035
55	0.465088	1.871618	4.7	1.033
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	16210.722709	*	4.000
2	0.0	198.501253	*	2.008
3	0.0	55.551957	*	1.613
4	0.0	31.332772	*	1.458
5	0.0	22.784781	*	1.378
6	0.0	18.634996	*	1.331
7	0.0	16.235558	*	1.300
8	0.0	14.688199	*	1.279
9	0.0	13.613609	*	1.263
10	0.0	12.826470	*	1.250
12	0.0	11.754230	*	1.233
14	0.0	11.060253	*	1.221
16	0.0	10.575458	*	1.212
18	0.0	10.218087	*	1.206
20	0.0	9.943935	*	1.201
25	0.0	9.475312	*	1.192
30	0.0	9.179677	*	1.186
35	0.0	8.976295	*	1.182
40	0.0	8.827859	*	1.179
45	0.0	8.714771	*	1.177
50	0.0	8.625758	*	1.175
55	0.0	8.553876	*	1.174
60	0.0	8.494617	*	1.173

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	19999.499960	*	4.000
3	0.0	199.000000	*	2.005
4	0.0	49.799278	*	1.605
5	0.0	26.284271	*	1.446
6	0.0	18.313830	*	1.363
7	0.0	14.544106	*	1.313
8	0.0	12.403957	*	1.281
9	0.0	11.042412	*	1.258
10	0.0	10.106714	*	1.240
12	0.0	9.426999	*	1.227
14	0.0	8.509627	*	1.209
16	0.0	7.921642	*	1.196
18	0.0	7.513820	*	1.187
20	0.0	7.214834	*	1.180
25	0.0	6.986465	*	1.174
30	0.0	6.598199	*	1.165
35	0.0	6.354689	*	1.159
40	0.0	6.187841	*	1.154
45	0.0	6.066426	*	1.151
50	0.0	5.974134	*	1.149
55	0.0	5.901617	*	1.147
60	0.0	5.843141	*	1.145
		5.794991	*	1.144

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.0	21614.741446	*	4.000
	2 0.0	199.166435	*	2.004
	3 0.0	47.467228	*	1.602
	4 0.0	24.259120	*	1.440
	5 0.0	16.529770	*	1.356
	6 0.0	12.916601	*	1.305
	7 0.0	10.882447	*	1.271
	8 0.0	9.596475	*	1.247
	9 0.0	8.717055	*	1.229
	10 0.0	8.080747	*	1.215
	12 0.0	7.225764	*	1.195
	14 0.0	6.680353	*	1.183
	16 0.0	6.303385	*	1.172
	18 0.0	6.027768	*	1.163
	20 0.0	5.817702	*	1.159
	25 0.000004	5.461522	431033.5	1.149
	30 0.000005	5.238796	335569.5	1.142
	35 0.000005	5.086501	280897.9	1.138
	40 0.000006	4.975845	245097.0	1.134
	45 0.000006	4.891827	220263.3	1.130
	50 0.000007	4.825974	202428.1	1.128
	55 0.000007	4.772729	188678.2	1.127
	60 0.000007	4.728956	178570.4	1.127

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.0	22499.583305	*	4.000
	2 0.0	199.249687	*	2.004
	3 0.0	46.194622	*	1.600
	4 0.0000068	23.154535	359711.2	1.437
	5 0.000130	15.556125	105931.2	1.351
	6 0.000202	12.027631	46081.9	1.299
	7 0.000278	10.050630	25200.6	1.264
	8 0.000354	8.805307	15927.6	1.239
	9 0.000429	7.956100	11102.7	1.220
	10 0.000501	7.343057	8295.0	1.206
	12 0.000634	6.521456	5327.8	1.185
	14 0.000752	5.998783	3867.2	1.171
	16 0.000856	5.638274	3033.3	1.161
	18 0.000948	5.375111	2506.9	1.153
	20 0.001029	5.174795	2150.1	1.147
	25 0.001194	4.835689	1626.8	1.136
	30 0.001319	4.624017	1348.1	1.129
	35 0.001418	4.479461	1177.6	1.124
	40 0.001497	4.374525	1063.4	1.120
	45 0.001562	4.294906	981.9	1.117
	50 0.001617	4.232441	921.1	1.115
	55 0.001662	4.182130	874.0	1.113
	60 0.001702	4.140745	836.5	1.112

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	23055.798235	*	4.000
1	0.0	199.259649	*	2.003
2	0.000429	45.391817	179855.1	1.599
3	0.000917	22.456793	32215.5	1.435
4	0.001473	14.940196	11112.6	1.347
5	0.002040	11.464514	5365.0	1.294
6	0.002589	9.523097	3153.4	1.258
7	0.003107	8.303046	2101.2	1.233
8	0.003591	7.472600	1524.6	1.213
9	0.004038	6.873988	1175.3	1.198
10	0.004430	6.073072	790.4	1.177
12	0.005504	5.564473	592.1	1.162
14	0.006080	5.214143	475.3	1.151
16	0.006576	4.958681	399.7	1.142
18	0.007006	4.764389	347.6	1.136
20	0.007865	4.435836	269.3	1.125
25	0.008505	4.230995	226.6	1.117
30	0.008999	4.091222	200.0	1.112
35	0.009392	3.989820	182.1	1.108
40	0.009711	3.912921	169.1	1.105
45	0.009976	3.852613	159.4	1.103
50	0.010198	3.804056	151.8	1.101
55	C.010389	3.764123	145.7	1.099
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	23437.111072	*	4.000
1	0.0	199.332962	*	2.003
2	0.001731	44.835064	51176.1	1.598
3	0.003310	21.975689	10407.0	1.433
4	0.004891	14.514906	3859.7	1.345
5	0.006412	11.075196	1951.0	1.290
6	0.007829	9.157973	1182.9	1.254
7	0.009131	7.955070	805.8	1.228
8	0.010319	7.137331	594.4	1.208
9	0.011400	6.548478	464.0	1.192
10	0.013285	5.761517	317.6	1.170
12	0.014860	5.262389	240.7	1.155
14	0.016189	4.918894	194.7	1.143
16	0.017323	4.668593	164.8	1.135
18	0.018300	4.478333	143.9	1.128
20	0.020233	4.156826	112.3	1.116
25	0.021661	3.956536	94.9	1.108
30	0.022757	3.819943	84.0	1.102
35	0.023624	3.720890	76.5	1.098
40	0.024327	3.645795	71.2	1.095
45	0.024908	3.586917	67.2	1.092
50	0.025396	3.539521	64.0	1.090
55	0.025811	3.500550	61.5	1.089
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	23714.565868	*	4.000
1	0.0001528	199.357198	454544.5	2.003
2	0.004133	44.435294	25302.6	1.597
3	0.007084	21.623745	5521.4	1.431
4	0.009983	14.203350	2128.6	1.343
5	0.012688	10.789617	1101.7	1.288
6	0.015159	8.889819	678.3	1.251
7	0.017396	7.699234	467.1	1.224
8	0.019416	6.890596	347.1	1.204
9	0.021242	6.308715	272.5	1.198
10	0.024396	5.531687	187.8	1.165
12	0.027011	5.039268	143.0	1.149
14	0.029206	4.700597	116.0	1.137
16	0.031071	4.453923	98.3	1.128
18	0.032672	4.266490	85.9	1.121
20	0.035829	3.949899	67.1	1.109
25	0.038152	3.752768	56.7	1.100
30	0.039931	3.618373	50.2	1.095
35	0.041335	3.520937	45.7	1.090
40	0.042472	3.447082	42.5	1.087
45	0.043410	3.389184	40.1	1.084
50	0.044198	3.342582	38.2	1.082
55	0.044868	3.304268	36.7	1.080
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	23925.406212	*	4.000
1	0.0002958	199.375357	267378.7	2.003
2	0.007192	44.127408	16322.9	1.597
3	0.011707	21.354989	3717.3	1.430
4	0.016013	13.565098	1465.8	1.341
5	0.019959	10.570926	768.8	1.286
6	0.023523	8.684227	477.3	1.248
7	0.026726	7.502864	330.4	1.221
8	0.029603	6.701018	246.5	1.200
9	0.032192	6.124321	193.9	1.184
10	0.036646	5.354645	134.1	1.161
12	0.040324	4.867161	102.2	1.144
14	0.043403	4.532017	82.9	1.132
16	0.046014	4.287983	70.2	1.123
18	0.048253	4.102397	61.4	1.116
20	0.052660	3.783544	47.9	1.103
25	0.055898	3.594666	40.4	1.094
30	0.058375	3.461829	35.7	1.089
35	0.060330	3.265533	32.5	1.084
40	0.061912	3.292548	30.2	1.081
45	0.063217	3.235335	28.4	1.078
50	0.064312	3.189287	27.1	1.076
55	0.065245	3.151429	26.0	1.074
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	24091.004035	*	4.000
1	0.004709	199.289560	187264.9	2.003
2	0.010635	43.884847	12182.2	1.596
3	0.016714	21.142963	2850.8	1.429
4	0.022403	13.776878	1140.0	1.340
5	0.027562	10.397953	602.7	1.284
6	0.032189	8.521401	375.9	1.246
7	0.036329	7.347167	261.0	1.219
8	0.040037	6.550553	195.0	1.198
10	0.043367	5.977833	153.6	1.181
12	0.049082	5.213767	106.2	1.158
14	0.053793	4.730021	80.9	1.141
16	0.057732	4.397530	65.6	1.126
18	0.061070	4.155470	55.5	1.119
20	0.063932	3.971603	48.5	1.112
25	0.069562	3.661155	37.7	1.098
30	0.073698	3.467916	31.8	1.090
35	0.076862	3.336202	28.0	1.084
40	0.079359	3.240721	25.5	1.079
45	0.081379	3.168354	23.6	1.076
50	0.083046	3.111625	22.2	1.073
55	0.084445	3.065965	21.1	1.071
60	0.085637	3.028427	20.3	1.069

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	24224.486871	*	4.000
1	0.006642	199.400972	145771.6	2.003
2	0.014222	43.688792	9913.7	1.596
3	0.021794	20.971367	2363.3	1.429
4	0.028793	13.624353	953.8	1.339
5	0.035096	10.257603	506.7	1.283
6	0.040727	8.389139	316.9	1.244
7	0.045752	7.220563	220.3	1.217
8	0.050244	6.428082	164.7	1.196
10	0.054275	5.858492	129.7	1.179
12	0.061186	5.098814	89.7	1.155
14	0.066873	4.617967	68.3	1.138
16	0.071637	4.287517	55.3	1.126
18	0.075669	4.046962	46.7	1.116
20	0.079127	3.864247	40.8	1.108
25	0.085930	3.555748	31.6	1.095
30	0.090931	3.363719	26.6	1.086
35	0.094758	3.232822	23.4	1.080
40	0.097779	3.137928	21.2	1.075
45	0.100224	3.066001	19.7	1.072
50	0.102243	3.009614	18.5	1.069
55	0.103938	2.964227	17.6	1.066
60	0.105381	2.926910	15.8	1.064

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	24426.366101	*	4.000
1	0.010663	199.418151	105707.2	2.003
2	0.021264	43.391255	7608.2	1.596
3	0.031519	20.710513	1854.7	1.428
4	0.040859	13.392100	756.4	1.337
5	0.049208	10.043542	403.9	1.281
6	0.056636	8.187107	253.2	1.242
7	0.063249	7.026897	176.2	1.214
8	0.069155	6.240493	131.7	1.193
9	0.074449	5.675475	103.7	1.176
10	0.083525	4.922143	71.5	1.151
12	0.091004	4.445431	54.3	1.134
14	0.097262	4.117851	43.8	1.121
16	0.102569	3.879383	37.0	1.111
18	0.107123	3.698243	32.1	1.103
20	0.116099	3.392355	24.8	1.089
25	0.122709	3.201895	20.7	1.080
35	0.127776	3.072029	18.2	1.074
40	0.131783	2.977855	16.4	1.069
45	0.135028	2.906457	15.2	1.065
50	0.137711	2.850472	14.2	1.062
55	0.139965	2.805399	13.5	1.060
60	0.141886	2.768334	12.9	1.058

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	24571.767335	*	4.000
1	0.014531	199.430449	87411.6	2.002
2	0.027712	43.176104	6495.9	1.595
3	0.040236	20.521515	1603.3	1.427
4	0.051556	13.223487	657.3	1.336
5	0.061639	9.887836	351.8	1.280
6	0.070597	8.039891	220.6	1.241
7	0.078568	6.885524	153.5	1.212
8	0.085686	6.103335	114.6	1.191
9	0.092070	5.541459	90.1	1.174
10	0.103025	4.792426	62.0	1.148
12	0.112064	4.318453	46.9	1.131
14	0.119638	3.992731	37.8	1.118
16	0.126071	3.755582	31.8	1.108
18	0.131539	3.575412	27.6	1.100
20	0.142517	3.271064	21.2	1.095
25	0.150579	3.081469	17.6	1.076
35	0.156772	2.952134	15.4	1.069
40	0.161678	2.858307	13.9	1.065
45	0.165658	2.787146	12.8	1.061
50	0.168951	2.731329	11.9	1.058
55	0.171722	2.686379	11.3	1.055
60	0.174084	2.649406	10.8	1.053

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	24681.467261	*	4.000
1	0.018064	199.439673	77398.4	2.002
2	0.033423	43.013258	5864.8	1.595
3	0.047857	20.378231	1458.3	1.427
4	0.060848	13.095446	599.6	1.336
5	0.072402	9.769404	321.2	1.279
6	0.082662	7.927725	201.4	1.240
7	0.091794	6.777669	140.0	1.211
8	0.099954	5.998551	104.5	1.189
9	0.107278	5.438943	82.0	1.172
10	0.111986	4.692963	56.3	1.147
12	0.130262	4.220890	42.5	1.129
14	0.158992	3.856420	34.2	1.115
16	0.146419	3.660132	28.7	1.105
18	0.152812	3.480574	24.8	1.097
20	0.165465	3.177135	18.5	1.083
25	0.174836	2.987993	15.7	1.073
30	0.182051	2.858857	13.7	1.066
35	0.187776	2.765199	12.3	1.061
40	0.192428	2.694104	11.3	1.057
45	0.196284	2.638319	10.5	1.054
50	0.199531	2.593380	9.9	1.052
55	0.202302	2.556405	9.5	1.050
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0	24767.170365	*	4.000
1	0.021224	199.446841	71224.1	2.002
2	0.038426	42.885698	5468.9	1.595
3	0.054477	20.265844	1366.2	1.427
4	0.068888	12.994876	562.7	1.335
5	0.081696	9.676254	301.5	1.278
6	0.093072	7.839395	185.0	1.239
7	0.103203	6.692619	131.3	1.210
8	0.112262	5.915824	97.8	1.188
9	0.120401	5.357915	76.8	1.171
10	0.134402	4.614188	52.6	1.145
12	0.145998	4.143478	39.6	1.127
14	0.155748	3.819877	31.7	1.114
16	0.164057	3.584163	26.6	1.103
18	0.171219	3.404994	23.0	1.095
20	0.185428	3.102076	17.5	1.080
25	0.195980	2.913135	14.4	1.071
30	0.204124	2.784100	12.5	1.064
35	0.210595	2.690397	11.2	1.059
40	0.215869	2.619266	10.3	1.055
45	0.220242	2.563430	9.6	1.052
50	0.223929	2.518433	9.0	1.049
55	0.227030	2.481399	8.6	1.047
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	24835.970812	*	4.000
1	0.024025	199.452567	67113.1	2.002
2	0.042801	42.783071	5201.9	1.595
3	0.060232	20.175323	1303.7	1.426
4	0.075860	12.913777	537.5	1.335
5	0.089747	9.601052	287.9	1.278
6	0.102086	7.768003	180.4	1.238
7	0.113083	6.623805	125.2	1.209
8	0.122926	5.848821	93.3	1.187
9	0.131775	5.292224	73.1	1.170
10	0.147021	4.550207	50.0	1.144
12	0.159670	4.080502	37.6	1.126
14	0.170325	3.757518	30.1	1.112
16	0.179419	3.522191	25.1	1.102
18	0.187269	3.343266	21.7	1.094
20	0.202878	3.040621	16.4	1.079
25	0.214502	2.851722	13.5	1.069
30	0.223494	2.722637	11.7	1.062
35	0.230656	2.623847	10.5	1.057
40	0.236495	2.557616	9.6	1.053
45	0.241347	2.501677	8.9	1.049
50	0.245442	2.456581	8.4	1.047
55	0.248945	2.419453	8.0	1.045
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	24960.340449	*	4.000
1	0.029735	199.462848	61273.5	2.002
2	0.051555	42.597021	4817.3	1.595
3	0.071677	20.010973	1212.5	1.426
4	0.089689	12.766304	500.4	1.334
5	0.105703	9.464088	268.0	1.277
6	0.119952	7.637781	167.7	1.237
7	0.132675	6.498097	116.2	1.208
8	0.144086	5.726247	86.4	1.186
9	0.154367	5.171837	67.6	1.168
10	0.172135	4.432705	46.0	1.142
12	0.186939	3.964581	34.5	1.124
14	0.199457	3.642491	27.5	1.110
16	0.210180	3.407663	22.9	1.099
18	0.219467	3.228992	19.7	1.091
20	0.238026	2.926430	14.8	1.076
25	0.251936	2.737268	12.1	1.066
30	0.262753	2.607806	10.4	1.058
35	0.271406	2.513615	9.3	1.053
40	0.278488	2.441952	8.5	1.049
45	0.284392	2.385685	7.8	1.046
50	0.289389	2.340249	7.4	1.043
55	0.293673	2.302807	7.0	1.041
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	25043.627717	*	4.000
1	0.034031	199.469677	58342.1	2.002
2	0.058046	42.472024	4619.6	1.595
3	0.080117	19.900369	1165.2	1.426
4	0.099869	12.666880	481.0	1.334
5	0.117446	9.371581	257.5	1.276
6	0.133108	7.549671	161.0	1.237
7	0.147115	6.412894	111.4	1.208
8	0.159700	5.643028	82.8	1.185
9	0.171061	5.090054	64.7	1.168
10	0.190745	4.352557	43.9	1.141
12	0.207203	3.885288	32.8	1.123
14	0.221165	3.563609	26.1	1.109
16	0.233160	3.328936	21.7	1.098
18	0.243579	3.150271	18.6	1.089
20	0.264490	2.847396	13.9	1.074
25	0.280249	2.657744	11.3	1.064
30	0.292560	2.527761	9.7	1.056
35	0.302448	2.433067	8.6	1.051
40	0.310568	2.360979	7.8	1.047
45	0.317356	2.304247	7.2	1.043
50	0.323117	2.258424	6.8	1.041
55	0.329063	2.220632	6.4	1.038
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	25103.300271	*	4.000
1	0.037350	199.474542	56638.3	2.002
2	0.063016	42.382262	4504.3	1.595
3	0.086561	19.820844	1137.3	1.426
4	0.107634	12.595300	469.5	1.334
5	0.126404	9.304893	251.2	1.276
6	0.143150	7.486067	157.0	1.236
7	0.158149	6.351308	108.6	1.207
8	0.171645	5.582800	80.5	1.185
9	0.183845	5.030756	62.9	1.167
10	0.205032	4.294343	42.6	1.141
12	0.222797	3.827570	31.8	1.122
14	0.237908	3.506073	25.2	1.108
16	0.250924	3.271405	20.9	1.097
18	0.262257	3.092643	17.9	1.088
20	0.285084	2.789315	13.3	1.073
25	0.302369	2.599112	10.8	1.062
30	0.315927	2.468581	9.3	1.055
35	0.326834	2.373375	8.3	1.049
40	0.335853	2.300818	7.4	1.045
45	0.343397	2.243660	6.8	1.042
50	0.349814	2.197452	6.4	1.039
55	0.355340	2.159311	6.0	1.037
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.0	25148.153262	*	4.000
1	0.039980	199.478181	55616.4	2.002
2	0.066931	42.314674	4430.4	1.595
3	0.091626	19.760909	1119.4	1.426
4	0.113735	12.541299	462.1	1.334
5	0.133446	9.254531	247.2	1.276
6	0.151050	7.437986	154.4	1.236
7	0.166836	6.304705	106.7	1.207
8	0.181057	5.537179	79.1	1.184
9	0.193930	4.985795	61.7	1.167
10	0.216325	4.250121	41.8	1.140
12	0.235147	3.783648	31.1	1.121
14	0.251195	3.462217	24.6	1.107
16	0.265048	3.227486	20.4	1.096
18	0.277133	3.048586	17.5	1.087
20	0.301551	2.744769	13.0	1.072
25	0.320117	2.554019	10.9	1.061
30	0.334730	2.422959	8.9	1.054
35	0.346543	2.327262	7.9	1.048
40	0.356299	2.254258	7.1	1.044
45	0.364496	2.196695	6.6	1.040
50	0.371483	2.150121	6.1	1.038
55	0.377511	2.111648	5.8	1.035

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.0	25183.097046	*	4.000
1	0.0422109	199.481005	54883.7	2.002
2	0.070087	42.261948	4380.7	1.595
3	0.095706	19.714119	1107.3	1.426
4	0.113650	12.499108	457.1	1.334
5	0.1339119	9.215151	244.4	1.276
6	0.157418	7.400359	152.6	1.236
7	0.173844	6.268205	105.4	1.207
8	0.188657	5.501419	78.1	1.184
9	0.202079	4.950526	60.9	1.166
10	0.223467	4.215379	41.2	1.140
12	0.245163	3.749091	30.6	1.121
14	0.261988	3.427665	24.2	1.107
16	0.276537	3.192840	20.1	1.096
18	0.289252	3.013789	17.1	1.087
20	0.315013	2.709489	12.7	1.071
25	0.334668	2.518223	10.2	1.061
30	0.350187	2.386667	8.7	1.053
35	0.362766	2.290512	7.7	1.047
40	0.373179	2.217092	6.9	1.043
45	0.381946	2.159153	6.4	1.040
50	0.389433	2.112237	5.9	1.037
55	0.395904	2.073455	5.6	1.034

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.0	25211.0887779	*	4.000
	2 0.0043867	199.483262	54346.8	2.002
	3 0.0072685	42.219666	4345.3	1.594
	4 0.0099059	19.676575	1098.6	1.426
	5 0.122689	12.465233	453.5	1.334
	6 0.143784	9.183513	242.4	1.276
	7 0.162657	7.370108	151.3	1.236
	8 0.179613	6.238842	104.5	1.207
	9 0.194917	5.472633	77.4	1.184
100	0.208798	4.922115	60.3	1.166
12	0.233014	4.187358	40.7	1.140
14	0.253443	3.721186	30.3	1.121
16	0.270923	3.399733	24.0	1.106
18	0.286063	3.164801	19.8	1.095
20	0.299313	2.985599	16.9	1.087
25	0.326221	2.680841	12.5	1.071
30	0.346815	2.489095	10.1	1.060
35	0.363119	2.357082	8.6	1.052
40	0.376366	2.260307	7.5	1.047
45	0.387355	2.186703	6.8	1.042
50	0.396625	2.128416	6.2	1.039
55	0.404555	2.081185	5.8	1.036
60	0.411419	2.042116	5.4	1.034

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.0	25234.015065	*	4.000
	2 0.0045340	199.485105	53994.7	2.002
	3 0.0074857	42.185005	4319.0	1.594
	4 0.101863	19.645784	1092.2	1.425
	5 0.126066	12.437436	450.8	1.334
	6 0.147636	9.157537	240.9	1.276
	7 0.167041	7.345253	150.3	1.236
	8 0.184443	6.214707	103.8	1.206
	9 0.200162	5.448959	76.9	1.184
100	0.214429	4.898738	59.9	1.166
12	0.239349	4.164278	40.4	1.139
14	0.260402	3.698178	30.0	1.120
16	0.278442	3.376679	23.7	1.106
18	0.294087	3.141637	19.6	1.095
20	0.307798	2.962290	16.7	1.086
25	0.335697	2.657105	12.3	1.070
30	0.357108	2.464918	9.9	1.060
35	0.374099	2.332487	8.4	1.052
40	0.387935	2.235526	7.4	1.046
45	0.399433	2.161371	6.7	1.042
50	0.409150	2.102764	6.1	1.038
55	0.417475	2.055243	5.7	1.035
60	0.424691	2.015909	5.3	1.033

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	25253.136964	*	4.000
1	0.046593	199.486640	53704.7	2.002
2	0.076701	42.156075	4299.3	1.594
3	0.104241	19.620073	1087.4	1.425
4	0.128931	12.414216	448.8	1.334
5	0.150996	9.135328	239.8	1.276
6	0.170762	7.324481	149.6	1.236
7	0.188544	6.194518	103.3	1.206
8	0.204618	5.429146	76.5	1.184
9	0.219217	4.879165	59.6	1.166
10	0.244740	4.144935	40.2	1.139
12	0.266330	3.678878	29.8	1.120
14	0.284854	3.357326	23.6	1.106
16	0.300938	3.122176	19.5	1.095
18	0.315048	2.942692	16.6	1.086
20	0.343814	2.637113	12.2	1.070
25	0.365942	2.444522	9.8	1.059
30	0.383540	2.311708	8.3	1.052
35	0.397897	2.214395	7.3	1.046
40	0.409850	2.139918	6.6	1.041
45	0.419966	2.081017	6.0	1.038
50	0.428645	2.033228	5.6	1.035
55	0.436178	1.993651	5.3	1.032
60				

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	405284.072584	*	4.000
2	0.0	998.500251	*	2.002
3	0.0	167.029224	*	1.596
4	0.0	74.137293	*	1.433
5	0.0	47.180779	*	1.348
6	0.0	35.507490	*	1.298
7	0.0	29.245193	*	1.265
8	0.0	25.414760	*	1.242
9	0.0	22.857125	*	1.225
10	0.0	21.039595	*	1.212
12	0.0	18.643322	*	1.193
14	0.0	17.143360	*	1.181
16	0.0	16.120196	*	1.172
18	0.0	15.379306	*	1.165
20	0.0	14.818776	*	1.160
25	0.0	13.876697	*	1.151
30	0.0	13.293014	*	1.145
35	0.0	12.866335	*	1.141
40	0.0	12.609358	*	1.138
45	0.0	12.392170	*	1.136
50	0.0	12.222106	*	1.134
55	0.0	12.085346	*	1.133
60	0.0	11.972987	*	1.132

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	499999.501262	*	4.000
1	0.0	999.000001	*	2.001
2	0.0	148.500000	*	1.593
3	0.0	61.245353	*	1.428
4	0.0	37.122330	*	1.341
5	0.0	27.000000	*	1.239
6	0.0	21.688999	*	1.254
7	0.0	18.493653	*	1.230
8	0.0	16.387150	*	1.212
9	0.0	14.905359	*	1.199
10	0.0	12.973666	*	1.179
12	0.0	11.778371	*	1.166
14	0.0	10.970990	*	1.156
16	0.0	10.389912	*	1.149
18	0.0	9.952623	*	1.144
20	0.0	9.222510	*	1.134
25	0.0	8.773398	*	1.128
30	0.0	8.469681	*	1.124
35	0.0	8.250751	*	1.121
40	0.0	8.085519	*	1.118
45	0.0	7.956418	*	1.116
50	0.0	7.852783	*	1.115
55	0.0	7.767762	*	1.114
60	0.0			

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	540379.203234	*	4.000
1	0.0	999.166619	*	2.001
2	0.0	141.108461	*	1.592
3	0.0	56.177188	*	1.426
4	0.0	33.202463	*	1.338
5	0.0	23.703309	*	1.285
6	0.0	18.772270	*	1.249
7	0.0	15.829490	*	1.224
8	0.0	13.901303	*	1.206
9	0.0	12.552745	*	1.192
10	0.0	10.804204	*	1.172
12	0.0	9.729366	*	1.158
14	0.0	9.005937	*	1.148
16	0.0	8.487455	*	1.141
18	0.0	8.098380	*	1.135
20	0.0	7.451075	*	1.129
25	0.0	7.054457	*	1.118
30	0.0	6.786970	9999999.0	1.114
35	1.9E-7	6.594540	9999999.0	1.111
40	2.1E-7	6.449532	4999999.0	1.111
45	2.3E-7	6.336371	4999999.0	1.108
50	2.4E-7	6.245620	4999999.0	1.106
55	2.6E-7	6.171231	4999999.0	1.104
60	2.7E-7		4999999.0	1.103

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	562499.577559	*	4.000
1	0.0	999.249939	*	2.001
2	0.0	137.100363	*	1.592
3	0.000006	53.435832	9999999.0	1.424
4	0.000014	31.095012	1999999.0	1.336
5	0.000024	21.923553	6666665.7	1.282
6	0.000035	17.198011	313499.0	1.246
7	0.000047	14.391608	178570.4	1.220
8	0.000060	12.560349	112358.6	1.202
9	0.000073	11.282788	78124.0	1.187
10	0.000097	9.632775	45044.0	1.166
12	0.000120	8.622380	30302.0	1.152
14	0.000141	7.944273	22370.4	1.142
16	0.000160	7.459357	17635.7	1.134
18	0.000177	7.096122	14576.3	1.128
20	0.000212	6.493165	10297.7	1.117
25	0.000240	6.124641	8155.6	1.111
30	0.000262	5.876333	6890.9	1.106
35	0.000280	5.698274	6070.6	1.102
40	0.000295	5.564078	5499.6	1.100
45	0.000308	5.459437	5080.3	1.098
50	0.000318	5.375573	4758.6	1.096
55	0.000328	5.306865	4507.6	1.094
60	0.000328			

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	576404.562282	*	4.000
1	0.0	999.299930	*	2.001
2	0.000072	134.580051	3333332.3	1.591
3	0.000183	51.711642	357141.9	1.423
4	0.000327	29.752529	95237.1	1.334
5	0.000486	20.802859	38460.5	1.290
6	0.000649	16.206060	19919.3	1.243
7	0.000810	13.485014	12047.2	1.217
8	0.000964	11.714053	8109.3	1.198
9	0.001110	10.481167	5884.8	1.183
10	0.001378	8.892661	3611.7	1.161
12	0.001612	7.922453	2532.6	1.147
14	0.001816	7.272587	1934.0	1.136
16	0.001995	6.808575	1564.2	1.128
18	0.002152	6.461424	1317.9	1.122
20	0.002472	5.886056	964.4	1.111
25	0.002714	5.535001	780.7	1.103
30	0.002904	5.298939	670.4	1.098
35	0.003056	5.129488	597.4	1.095
40	0.003131	5.002011	545.9	1.092
45	0.003285	4.902664	507.7	1.090
50	0.003373	4.823079	478.3	1.088
55	0.003448	4.757902	455.1	1.086
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.0	585937.109212	*	4.000
1	0.0	999.333261	*	2.001
2	0.000463	132.847623	588234.3	1.591
3	0.000981	50.525350	78739.2	1.423
4	0.001569	28.834885	22987.5	1.333
5	0.002168	20.030380	9919.6	1.278
6	0.002748	15.521760	5360.9	1.241
7	0.003296	12.859130	3350.2	1.215
8	0.003809	11.129405	2310.1	1.195
9	0.004283	9.927048	1708.4	1.180
10	0.005128	8.380532	1077.1	1.157
12	0.005849	7.437729	769.3	1.142
14	0.006467	6.807103	595.1	1.131
16	0.007001	6.357321	485.9	1.123
18	0.007466	6.021112	412.4	1.116
20	0.008398	5.464499	305.6	1.105
25	0.009097	5.125306	249.3	1.097
30	0.009638	4.897421	215.1	1.092
35	0.010070	4.733945	192.4	1.088
40	0.010422	4.611025	176.2	1.085
45	0.010715	4.515268	164.2	1.083
50	0.010961	4.438584	155.0	1.081
55	0.011172	4.375800	147.6	1.079
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	592873.290010	*	4.000
1	0.000419	999.357186	9999999.0	2.001
2	0.001396	131.583257	2222221.2	1.591
3	0.002652	49.658649	332221.6	1.422
4	0.003976	28.163791	10276.5	1.332
5	0.005265	19.464925	4588.3	1.276
6	0.006478	15.020426	2540.3	1.239
7	0.007601	12.400236	1614.5	1.212
8	0.008634	10.700443	1126.9	1.192
9	0.009579	9.520224	841.0	1.177
10	0.011240	8.004121	537.0	1.154
12	0.012640	7.081132	386.7	1.139
14	0.013830	6.464397	300.8	1.127
16	0.014851	6.024876	246.5	1.119
18	0.015736	5.696548	209.8	1.112
20	0.017499	5.153422	156.1	1.100
25	0.018813	4.822745	127.6	1.092
30	0.019827	4.600720	110.2	1.087
35	0.020633	4.441523	98.6	1.083
40	0.021239	4.321863	90.4	1.079
45	0.021833	4.228673	84.3	1.077
50	0.022291	4.154061	79.5	1.075
55	0.022633	4.092986	75.7	1.073
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144.159612	*	4.000
1	0.000999	999.375174	3333332.3	2.001
2	0.002831	130.619735	120480.9	1.591
3	0.005102	48.997480	193378.8	1.422
4	0.007340	27.651338	6191.0	1.331
5	0.009463	19.032740	2821.3	1.275
6	0.011426	14.635918	1583.3	1.238
7	0.013222	12.048915	1015.8	1.211
8	0.014838	10.371796	713.7	1.190
9	0.016348	9.208329	533.2	1.174
10	0.018944	7.715201	343.9	1.151
12	0.021119	6.807149	248.5	1.136
14	0.022960	6.200865	193.7	1.124
16	0.024534	5.769049	158.9	1.115
18	0.025895	5.446631	135.3	1.108
20	0.028599	4.913593	100.7	1.096
25	0.030607	4.589268	82.3	1.088
30	0.032156	4.371605	71.1	1.082
35	0.033385	4.215587	63.5	1.078
40	0.034385	4.098345	58.2	1.075
45	0.035213	4.007056	54.2	1.072
50	0.035910	3.933978	51.1	1.070
55	0.036505	3.874166	48.7	1.068
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESS IVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	602284.001018	*	4.000
1	0.001840	999.389219	2499599.0	2.001
2	0.004799	129.861047	80644.2	1.591
3	0.008099	48.476350	13439.9	1.421
4	0.011328	27.247041	4394.6	1.331
5	0.014340	18.691461	2029.5	1.274
6	0.017096	14.333820	1148.6	1.237
7	0.019600	11.771034	746.8	1.209
8	0.021869	10.111658	522.4	1.189
10	0.023927	8.561283	392.7	1.173
12	0.027501	7.486077	253.0	1.149
14	0.030484	6.589647	183.1	1.133
16	0.033003	5.991475	142.7	1.121
18	0.035155	5.565627	117.1	1.112
20	0.037012	5.247776	99.7	1.105
25	0.040698	4.722513	74.1	1.092
30	0.043434	4.403063	60.5	1.084
35	0.045542	4.188738	52.1	1.078
40	0.047215	4.033145	46.6	1.074
45	0.048575	3.919746	42.6	1.071
50	0.049701	3.829902	39.6	1.068
55	0.050650	3.757989	37.3	1.066
60	0.051459	3.699135	35.5	1.064

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	605620.969187	*	4.000
1	0.002890	999.400503	1666665.7	2.001
2	0.007004	129.248118	60240.0	1.591
3	0.011413	48.054948	10383.2	1.421
4	0.015644	26.919819	3444.9	1.330
5	0.019549	18.415004	1604.7	1.274
6	0.023098	14.088090	912.9	1.236
7	0.026308	11.545575	590.7	1.208
8	0.029208	9.900443	417.4	1.187
10	0.031832	8.760564	314.2	1.171
12	0.036380	7.299696	202.6	1.147
14	0.040169	6.412538	146.6	1.131
16	0.043366	5.820820	114.3	1.116
18	0.046095	5.399708	93.7	1.110
20	0.048430	5.085472	79.7	1.102
25	0.053123	4.566340	59.1	1.089
30	0.056590	4.250719	48.1	1.081
35	0.059263	4.039004	41.4	1.075
40	0.061384	3.887302	36.9	1.071
45	0.063109	3.773333	33.7	1.067
50	0.064538	3.684611	31.3	1.065
55	0.065741	3.613599	29.5	1.062
60	0.066767	3.553485	28.0	1.061

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	610667.832302	*	4.000
1	0.0005369	999.417505	1111110.1	2.001
2	0.0011790	128.318528	41665.7	1.590
3	0.018340	47.415054	7433.9	1.421
4	0.024483	26.422340	2510.3	1.329
5	0.030080	17.994215	1180.6	1.273
6	0.035131	13.713653	675.4	1.234
7	0.039677	11.201664	438.4	1.206
8	0.043773	9.577940	310.2	1.185
9	0.047473	8.453804	233.6	1.169
10	0.053876	7.014375	150.6	1.145
12	0.059207	6.141017	108.8	1.128
14	0.063704	5.558862	84.6	1.115
16	0.067544	5.144737	69.2	1.106
18	0.070859	4.833813	58.8	1.098
20	0.077445	4.325634	43.3	1.085
25	0.082339	4.015554	35.1	1.076
30	0.086116	3.807589	30.1	1.070
35	0.089118	3.658587	26.3	1.066
40	0.091560	3.546652	24.4	1.062
45	0.093586	3.439514	22.6	1.059
50	0.095293	3.339771	21.2	1.057
55	0.096750	3.332695	20.1	1.055
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	614302.749952	*	4.000
1	0.0008033	999.429707	833332.3	2.001
2	0.016579	127.646865	333332.3	1.590
3	0.025054	46.952032	6074.3	1.420
4	0.032903	26.061845	2071.5	1.329
5	0.040011	17.688857	979.2	1.272
6	0.046404	13.441559	561.5	1.233
7	0.052149	10.951425	364.8	1.205
8	0.057321	9.342989	258.2	1.184
9	0.061993	8.230061	194.4	1.167
10	0.070078	6.805827	125.1	1.143
12	0.076816	5.942186	90.2	1.126
14	0.082507	5.366719	69.9	1.113
16	0.087372	4.957447	57.1	1.102
18	0.091577	4.652188	48.3	1.096
20	0.099946	4.148123	25.5	1.082
25	0.106132	3.841770	28.6	1.073
30	0.111004	3.636296	24.4	1.067
35	0.114843	3.489067	21.6	1.062
40	0.117971	3.378453	19.7	1.058
45	0.120568	3.292335	18.2	1.055
50	0.122759	3.223401	17.0	1.053
55	0.124631	3.166983	16.1	1.051
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.0	617045 .192002	*	4.000
	2 0.010651	999.438869	714284.7	2.001
	3 0.021074	127.138924	28900.7	1.590
	4 0.031232	46.601378	5326.7	1.420
	5 0.040573	25.788499	1827.2	1.328
	6 0.049005	17.457037	865.9	1.271
	7 0.056577	13.234747	497.0	1.232
	8 0.063380	10.761008	322.9	1.204
	9 0.069506	9.164010	228.4	1.183
	10 0.075041	8.059445	171.8	1.166
	12 0.084631	6.646496	110.4	1.141
	14 0.092634	5.790024	79.3	1.124
	16 0.099405	5.219454	61.4	1.111
	18 0.105203	4.813710	50.0	1.101
	20 0.110221	4.511096	42.2	1.093
	25 0.120231	4.011386	30.8	1.079
	30 0.127711	3.707641	24.8	1.070
	35 0.133508	3.503980	21.1	1.064
	40 0.138132	3.357850	18.6	1.059
	45 0.141906	3.248117	16.9	1.055
	50 0.145043	3.162670	15.6	1.052
	55 0.147693	3.094263	14.6	1.050
	60 0.149960	3.038268	13.8	1.048

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.0	619187.694625	*	4.000
	2 0.013115	999.445987	624999.0	2.000
	3 0.025174	126.741089	26177.0	1.590
	4 0.036794	46.326577	4867.5	1.420
	5 0.047433	25.574058	1674.9	1.328
	6 0.057020	17.274984	794.9	1.271
	7 0.065627	13.072167	456.4	1.232
	8 0.073360	10.611169	296.4	1.204
	9 0.080328	9.023038	209.6	1.182
	10 0.086629	7.924938	157.5	1.165
	12 0.097559	6.520676	101.0	1.140
	14 0.106697	5.669682	72.4	1.123
	16 0.114441	5.110282	55.9	1.110
	18 0.121084	4.699739	45.5	1.100
	20 0.126842	4.399098	38.3	1.092
	25 0.138354	3.902593	27.9	1.078
	30 0.146981	3.600725	22.3	1.068
	35 0.153684	3.398170	18.9	1.062
	40 0.159041	3.252967	16.6	1.057
	45 0.163420	3.143830	15.0	1.053
	50 0.167066	3.058827	13.9	1.050
	55 0.170149	2.990762	12.9	1.047
	60 0.172789	2.935036	12.2	1.045

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0	620907.664787	*	4.000
	2 0.0153384	999.451691	555554.6	2.000
	3 0.0288667	126.421246	24389.2	1.590
	4 0.041759	46.105400	4561.0	1.420
	5 0.053530	25.401310	1573.1	1.328
	6 0.064128	17.128194	747.1	1.271
	7 0.073643	12.940963	428.9	1.232
	8 0.082197	10.490143	278.5	1.203
	9 0.089910	8.909080	196.7	1.181
	10 0.096890	7.816119	147.7	1.164
	12 0.109016	6.418733	94.5	1.139
	14 0.119171	5.572047	67.7	1.122
	16 0.127793	5.008091	52.2	1.109
	18 0.135201	4.607055	42.3	1.098
	20 0.141631	4.307927	35.6	1.090
	25 0.154519	3.813840	25.8	1.076
	30 0.164204	3.513353	20.6	1.067
	35 0.171747	3.311660	17.4	1.060
	40 0.177787	3.167032	15.3	1.055
	45 0.182732	3.058296	13.8	1.051
	50 0.186856	2.973585	12.7	1.048
	55 0.190347	2.905727	11.8	1.045
	60 0.193340	2.850177	11.1	1.043

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.0	624016.828156	*	4.000
	2 0.020201	999.461946	499599.0	2.000
	3 0.036515	125.841762	21880.8	1.590
	4 0.051939	45.704213	4124.4	1.420
	5 0.065973	25.087586	1426.8	1.328
	6 0.078606	16.861298	678.0	1.270
	7 0.089955	12.702106	389.1	1.231
	8 0.100132	10.269552	252.3	1.202
	9 0.109418	8.701130	178.0	1.180
	10 0.117796	7.617326	133.4	1.163
	12 0.132394	6.232108	85.0	1.138
	14 0.144674	5.392960	60.6	1.120
	16 0.155142	4.834011	46.6	1.107
	18 0.164170	4.436472	37.6	1.096
	20 0.172035	4.139878	31.6	1.088
	25 0.187880	3.649721	22.7	1.073
	30 0.199868	3.351360	18.0	1.064
	35 0.209257	3.150916	15.1	1.057
	40 0.216810	3.007061	13.2	1.052
	45 0.223019	2.898821	11.8	1.048
	50 0.228214	2.814437	10.8	1.045
	55 0.232624	2.746806	10.1	1.042
	60 0.236415	2.691392	9.5	1.040

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	626098.966436	*	4.000
1	0.0233979	999.468755	454544.5	2.000
2	0.0422377	125.452711	20617.6	1.590
3	0.059674	45.434506	3902.2	1.420
4	0.075393	24.876383	1351.6	1.327
5	0.089550	16.681346	642.3	1.270
6	0.102290	12.540844	368.4	1.231
7	0.113732	10.120411	238.6	1.202
8	0.124183	8.560342	168.1	1.180
9	0.133635	7.482556	125.9	1.163
10	0.150152	6.105263	80.0	1.137
12	0.164097	5.270947	56.9	1.119
14	0.176026	4.715148	43.6	1.106
16	0.186348	4.319757	35.1	1.095
18	0.195366	4.024680	29.4	1.087
20	0.213620	3.536751	21.0	1.072
25	0.227512	3.259467	16.5	1.062
30	0.238445	3.039562	13.8	1.055
35	0.247278	2.895967	12.0	1.050
40	0.254564	2.787336	10.8	1.046
45	0.260679	2.703472	9.3	1.042
50	0.265885	2.635812	8.1	1.040
55	0.270571	2.580339	8.5	1.038
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	627590.727820	*	4.000
1	0.026972	999.475620	434781.6	2.000
2	0.046960	125.173461	19919.3	1.590
3	0.065690	45.240729	3772.6	1.420
4	0.082706	24.724483	1307.7	1.327
5	0.098044	16.551793	621.4	1.270
6	0.111863	12.424614	356.2	1.230
7	0.124346	10.012803	230.5	1.201
8	0.135664	8.458653	162.3	1.180
9	0.145964	7.335113	121.4	1.162
10	0.164006	6.013365	77.0	1.137
12	0.179237	5.182384	54.6	1.118
14	0.192396	4.628718	41.3	1.105
16	0.203770	4.234751	33.6	1.094
18	0.213733	3.940648	28.0	1.086
20	0.233979	3.454060	19.9	1.071
25	0.249465	3.157327	15.6	1.061
30	0.261704	2.957613	13.0	1.054
35	0.271629	2.814033	11.3	1.048
40	0.279843	2.705827	10.1	1.044
45	0.286755	2.621343	9.2	1.041
50	0.292654	2.555541	8.5	1.038
55	0.297749	2.497917	7.9	1.036
60				

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.0	628712.027091	* 434781.6	4.000
2	0.0029385	999.477257	19454.3	2.000
3	0.0050621	124.963276	3690.4	1.590
4	0.0070480	45.054769	1273.7	1.420
5	0.0088524	24.609976	607.9	1.327
6	0.0104800	16.454050	348.3	1.270
7	0.0119481	12.336851	225.3	1.230
8	0.0132760	9.931482	158.5	1.201
9	0.0144814	8.381741	118.5	1.179
10	0.0155800	7.311352	75.0	1.162
12	0.0175081	5.943691	53.2	1.136
14	0.0191454	5.115136	40.6	1.118
16	0.0205535	4.562996	32.6	1.104
18	0.0217779	4.170022	27.2	1.094
20	0.0228529	3.876580	21.2	1.085
25	0.0250446	3.290833	15.2	1.070
30	0.0267283	3.094364	11.5	1.060
35	0.0280642	2.854660	12.5	1.053
40	0.0291509	2.750973	10.3	1.047
45	0.0300527	2.642504	9.6	1.043
50	0.0308137	2.557934	8.8	1.040
55	0.0314645	2.489938	8.1	1.037
60	0.0320277	2.434122	7.5	1.035

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.0	629585.606220	* 416665.7	4.000
2	0.0031365	999.480063	19119.5	2.000
3	0.0053604	124.799352	3635.4	1.590
4	0.0074376	44.980869	1260.5	1.419
5	0.0093251	24.520563	598.7	1.327
6	0.0110290	16.377678	342.9	1.270
7	0.0125674	12.268231	221.7	1.230
8	0.0139604	9.867856	155.9	1.201
9	0.0152264	8.321524	116.4	1.179
10	0.0163815	7.253564	73.7	1.162
12	0.0184122	5.889034	52.1	1.136
14	0.0201403	5.062317	39.7	1.118
16	0.0216296	4.511313	31.9	1.104
18	0.0229272	4.119063	26.5	1.093
20	0.0240686	3.826086	18.7	1.085
25	0.0264024	3.340879	14.6	1.069
30	0.0282021	3.044512	12.1	1.059
35	0.0296347	2.844722	10.5	1.052
40	0.0308034	2.700867	9.3	1.046
45	0.0317759	2.592294	8.5	1.042
50	0.0325981	2.507409	7.8	1.039
55	0.0333029	2.439198	7.3	1.036
60	0.0339138	2.383173	7.3	1.034

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.0	630285.370070	*	4.000
1	0.033013	999.482337	416665.7	2.000
2	0.056077	124.667929	18902.6	1.590
3	0.077600	44.889508	3596.1	1.419
4	0.097164	24.448809	1247.0	1.327
5	0.114834	16.316357	592.2	1.269
6	0.130803	12.213103	339.1	1.230
7	0.145275	9.816713	219.2	1.201
8	0.158441	8.273095	154.0	1.179
9	0.170465	7.207062	115.0	1.162
10	0.191634	5.805004	72.7	1.136
12	0.209682	5.019722	51.4	1.117
14	0.225264	4.465553	39.1	1.104
16	0.238864	4.077887	31.4	1.093
18	0.250845	3.785249	26.1	1.084
20	0.275405	3.300394	18.4	1.069
25	0.294403	3.004034	14.3	1.059
30	0.309578	2.804107	11.9	1.051
35	0.321983	2.650054	10.2	1.046
40	0.332332	2.551261	9.1	1.042
45	0.341100	2.466151	8.2	1.038
50	0.348627	2.397721	7.6	1.035
55	0.355163	2.341485	7.0	1.033
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.0	630858.524891	*	4.000
1	0.034405	999.484166	416665.7	2.000
2	0.058159	124.560214	18760.7	1.590
3	0.080312	44.814600	3586.6	1.419
4	0.100452	24.389951	1236.9	1.327
5	0.118655	16.266035	587.3	1.269
6	0.135117	12.167844	336.2	1.230
7	0.150048	9.774704	217.3	1.201
8	0.163641	8.233257	152.6	1.179
9	0.176067	7.163330	113.9	1.161
10	0.197970	5.808773	71.9	1.136
12	0.216675	4.984640	50.8	1.117
14	0.232848	4.435202	38.7	1.103
16	0.246985	4.043917	31.0	1.093
18	0.259457	3.751532	25.8	1.084
20	0.285079	3.266906	18.1	1.069
25	0.304961	2.970496	14.1	1.058
30	0.320874	2.770407	11.7	1.051
35	0.333919	2.626144	10.0	1.045
40	0.344820	2.517128	8.9	1.041
45	0.354073	2.431794	8.0	1.038
50	0.362031	2.363147	7.4	1.035
55	0.368952	2.306704	6.9	1.032
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	631336.553997	*	4.000
1	0.035595	999.485705	399999.0	2.000
2	0.059934	124.470323	18621.0	1.590
3	0.082621	44.752065	3545.1	1.419
4	0.103253	24.340758	1229.5	1.327
5	0.121910	16.223995	582.7	1.269
6	0.138793	12.130019	334.0	1.230
7	0.154117	9.739583	215.8	1.201
8	0.168078	8.200011	151.6	1.179
9	0.180849	7.136842	113.1	1.161
10	0.203385	5.778433	71.4	1.135
12	0.222657	4.955242	50.4	1.117
14	0.239344	4.406361	38.3	1.103
16	0.253948	4.015409	30.7	1.093
18	0.266848	3.723216	25.5	1.084
20	0.293401	3.238737	17.9	1.068
25	0.314059	2.942245	13.9	1.058
30	0.330630	2.741981	11.5	1.051
35	0.344244	2.597509	9.9	1.045
40	0.355640	2.488272	8.7	1.041
45	0.365330	2.402720	7.9	1.037
50	0.373676	2.333863	7.3	1.034
55	0.380944	2.277221	6.7	1.032
60				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO VARIANCES

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.472136	*	2.000
2	0.0	0.535556	*	1.473
3	0.0	0.582207	*	1.254
4	0.0	0.630721	*	1.103
5	0.0	0.678234	*	1.000
6	0.0	0.72897	*	0.959
7	0.0	0.78010	*	0.947
8	0.0	0.831093	*	0.938
9	0.0	0.882888	*	0.932
10	0.0	0.935127	*	0.927
12	0.0	1.03325	*	0.920
14	0.0	1.0809207	*	0.914
16	0.0	1.12786920	*	0.911
18	0.0	1.1769940	*	0.908
20	0.0	1.2256528	*	0.905
25	0.0	1.32764	*	0.901
30	0.0	1.417188	*	0.899
35	0.0	1.506189	*	0.897
40	0.0	1.598010	*	0.895
45	0.0	1.691639	*	0.894
50	0.0	1.786657	*	0.893
55	0.0	1.882557	*	0.892
60	0.0	1.979152	*	0.892

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000760	0.095448	2.62.4	0.940
3	0.006029	0.154443	3.22.4	0.360
4	0.012164	0.071415	3.32.4	0.222
5	0.017255	0.675689	3.5.6	0.164
6	0.021260	0.474487	3.7.3	0.133
7	0.024430	0.353521	4.0.7	0.100
8	0.026950	0.273031	4.3.6	0.080
9	0.029013	0.215706	4.6.0	0.094
10	0.030722	0.172846	4.9.6	0.084
12	0.032158	0.139607	5.3.6	0.078
14	0.034435	0.091440	5.6.9	0.070
16	0.036154	0.058239	6.0.6	0.065
18	0.037498	0.033976	6.4.4	0.061
20	0.038576	0.015475	6.8.3	0.058
25	0.039459	0.000904	7.2.2	0.056
30	0.041098	0.975173	7.6.0	0.052
35	0.042226	0.958381	8.0.8	0.049
40	0.043050	0.946553	8.4.8	0.047
45	0.043678	0.933774	8.8.7	0.046
50	0.044173	0.931000	9.2.6	0.045
55	0.044572	0.925614	9.6.6	0.044
60	0.044907	0.921229	10.0.6	0.043
60	0.045178	0.917591	10.5.5	0.043

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1	13	12	1
1	0.0083362	0.287319	1.2	1.940
2	0.030936	0.401782	20.4	1.352
3	0.050043	0.198184	10.5	1.209
4	0.064277	0.757367	7.3	1.147
5	0.074940	0.532427	5.9	1.115
6	0.083132	0.396708	5.0	1.094
7	0.089587	0.306108	4.5	1.081
8	0.094793	0.241400	4.1	1.071
9	0.099072	0.192398	3.8	1.064
10	0.102648	0.155200	3.6	1.058
12	0.108283	0.100424	3.3	1.050
14	0.112515	0.062549	3.0	1.045
16	0.115809	0.034802	2.8	1.041
18	0.118444	0.013600	2.5	1.038
20	0.120599	0.996872	2.2	1.035
25	0.124588	0.967274	2.0	1.031
30	0.127327	0.947898	1.8	1.029
35	0.129324	0.934229	1.5	1.027
40	0.130844	0.924069	1.4	1.026
45	0.132040	0.916320	1.3	1.025
50	0.133300	0.909974	1.2	1.024
55	0.133801	0.904886	1.1	1.023
60	0.134467	0.900661	1.0	1.023

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1	13	10	1
1	0.018787	0.511995	5.6	1.949
2	0.055556	0.500000	5.0	1.357
3	0.084368	0.228335	4.8	1.210
4	0.105419	0.761511	4.6	1.147
5	0.122109	0.522564	4.4	1.112
6	0.133125	0.377953	4.2	1.091
7	0.142605	0.281148	4.1	1.076
8	0.150254	0.211835	4.0	1.066
9	0.156549	0.159765	3.8	1.059
10	0.161876	0.119216	3.6	1.053
12	0.170125	0.060151	3.3	1.044
14	0.176378	0.019195	3.0	1.039
16	0.181252	0.989121	2.8	1.035
18	0.185156	0.966098	2.5	1.031
20	0.188353	0.947904	2.2	1.029
25	0.194279	0.915643	2.0	1.025
30	0.198356	0.894473	1.8	1.022
35	0.201331	0.879512	1.5	1.021
40	0.203599	0.868375	1.4	1.021
45	0.205334	0.859764	1.3	1.019
50	0.206825	0.852905	1.2	1.017
55	0.208014	0.847313	1.1	1.017
60	0.209011	0.842667	1.0	1.016

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.028254	14.288809	103.00	1.957
4	0.075399	4.548915	9.00	1.364
3	0.111301	3.234464	9.00	1.214
4	0.137426	2.750920	6.00	1.145
5	0.156906	2.502750	5.00	1.113
6	0.171884	2.352158	4.00	1.091
7	0.183372	2.251102	4.00	1.076
8	0.193296	2.178586	3.00	1.065
9	0.201194	2.124001	3.00	1.057
10	0.207816	2.083141	3.00	1.051
11	0.212900	2.051925	3.00	1.042
12	0.217619	2.027603	3.00	1.036
13	0.222033	2.009442	2.00	1.032
14	0.226196	2.000541	2.00	1.029
15	0.230155	2.000541	2.00	1.026
16	0.233954	2.000541	2.00	1.022
17	0.237541	2.000541	2.00	1.019
18	0.240954	2.000541	2.00	1.018
19	0.244165	2.000541	2.00	1.016
20	0.247196	2.000541	2.00	1.015
21	0.250088	2.000541	2.00	1.014
22	0.252797	2.000541	2.00	1.014
23	0.255350	2.000541	2.00	1.014
24	0.257757	2.000541	2.00	1.014
25	0.260028	2.000541	2.00	1.014
26	0.262157	2.000541	2.00	1.014
27	0.264154	2.000541	2.00	1.014
28	0.266028	2.000541	2.00	1.014
29	0.267783	2.000541	2.00	1.014
30	0.269429	2.000541	2.00	1.014

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.036127	14.540191	104.00	1.964
7	0.091026	4.577269	9.00	1.369
8	0.132286	3.233433	9.00	1.218
9	0.162331	2.738166	6.00	1.145
10	0.184767	2.483391	5.00	1.113
11	0.202084	2.329436	4.00	1.092
12	0.215811	2.224228	4.00	1.077
13	0.226945	2.149304	3.00	1.066
14	0.236151	2.092807	3.00	1.057
15	0.243887	2.048663	3.00	1.051
16	0.250157	2.013409	2.00	1.042
17	0.255449	2.000591	2.00	1.035
18	0.260172	2.000591	2.00	1.032
19	0.264331	2.000591	2.00	1.028
20	0.268339	2.000591	2.00	1.025
21	0.272235	2.000591	2.00	1.024
22	0.276086	2.000591	2.00	1.023
23	0.279854	2.000591	2.00	1.022
24	0.283553	2.000591	2.00	1.021
25	0.287192	2.000591	2.00	1.020
26	0.290774	2.000591	2.00	1.019
27	0.294308	2.000591	2.00	1.018
28	0.297793	2.000591	2.00	1.017
29	0.301229	2.000591	2.00	1.016
30	0.304612	2.000591	2.00	1.015
31	0.307943	2.000591	2.00	1.014
32	0.311222	2.000591	2.00	1.013
33	0.314448	2.000591	2.00	1.012
34	0.317621	2.000591	2.00	1.011
35	0.320741	2.000591	2.00	1.011
36	0.323808	2.000591	2.00	1.011
37	0.326822	2.000591	2.00	1.011
38	0.329783	2.000591	2.00	1.011
39	0.332691	2.000591	2.00	1.011
40	0.335545	2.000591	2.00	1.011
41	0.338345	2.000591	2.00	1.011
42	0.341091	2.000591	2.00	1.011
43	0.343783	2.000591	2.00	1.011
44	0.346421	2.000591	2.00	1.011
45	0.349005	2.000591	2.00	1.011
46	0.351535	2.000591	2.00	1.011
47	0.354011	2.000591	2.00	1.011
48	0.356433	2.000591	2.00	1.011
49	0.358801	2.000591	2.00	1.011
50	0.361115	2.000591	2.00	1.011
51	0.363375	2.000591	2.00	1.011
52	0.365581	2.000591	2.00	1.011
53	0.367733	2.000591	2.00	1.011
54	0.369831	2.000591	2.00	1.011
55	0.371875	2.000591	2.00	1.011
56	0.373865	2.000591	2.00	1.011
57	0.375801	2.000591	2.00	1.011
58	0.377683	2.000591	2.00	1.011
59	0.379511	2.000591	2.00	1.011
60	0.381285	2.000591	2.00	1.011

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.042603	14.719753	106.1	1.969
12	0.103454	4.555470	19.6	1.374
13	0.148897	3.230174	10.0	1.222
14	0.182021	2.726191	6.9	1.154
15	0.206861	2.466416	5.4	1.117
16	0.226079	2.308104	4.5	1.094
17	0.241357	2.201439	4.0	1.078
18	0.253782	2.124615	3.6	1.066
19	0.264080	2.066596	3.3	1.058
100	0.272751	2.021196	3.1	1.051
122	0.286540	1.954666	2.8	1.042
144	0.297015	1.908203	2.6	1.035
166	0.305240	1.873884	2.4	1.031
188	0.311870	1.847482	2.3	1.027
200	0.317328	1.822653	2.2	1.024
250	0.327515	1.789171	2.0	1.020
300	0.334579	1.764494	1.9	1.017
350	0.339766	1.746968	1.9	1.015
400	0.343736	1.733375	1.8	1.014
450	0.346873	1.722719	1.8	1.012
500	0.349414	1.715611	1.7	1.011
550	0.351513	1.708988	1.7	1.011
600	0.353278	1.703475	1.7	1.010

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.047933	14.854438	108.2	1.973
12	0.113505	4.608027	20.0	1.378
13	0.162302	3.226349	10.0	1.225
14	0.197939	2.715611	7.0	1.157
15	0.224740	2.451902	5.5	1.119
16	0.245535	2.290913	4.6	1.095
17	0.262211	2.132265	4.0	1.076
18	0.275624	2.033894	3.6	1.067
19	0.286847	2.004462	3.3	1.058
100	0.296316	1.996184	3.1	1.053
122	0.311412	1.930018	2.8	1.043
144	0.322911	1.882320	2.6	1.035
166	0.331963	1.847031	2.4	1.030
188	0.339272	1.819344	2.3	1.027
200	0.345300	1.798243	2.2	1.024
250	0.356577	1.759662	2.0	1.019
300	0.364418	1.734128	1.9	1.016
350	0.370137	1.715968	1.8	1.014
400	0.374609	1.702384	1.8	1.013
450	0.378106	1.691839	1.7	1.012
500	0.380943	1.683513	1.7	1.012
550	0.383288	1.676526	1.7	1.010
600	0.385261	1.670791	1.6	1.010

CONFIDENCE LEVEL=.6
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0522371	14.9592221	10.2	1.576
1	0.121772	4.617161	20.4	1.381
2	0.173316	3.222559	10.4	1.228
3	0.211036	2.706422	7.1	1.159
4	0.239477	2.439527	5.5	1.121
5	0.261602	2.276345	4.6	1.097
6	0.279281	2.166057	4.0	1.080
7	0.293724	2.086394	3.6	1.068
8	0.305743	2.026070	3.3	1.059
10	0.315901	1.978753	3.1	1.052
12	0.322133	1.909193	2.8	1.042
14	0.324531	1.860432	2.5	1.035
16	0.325431	1.824301	2.4	1.030
18	0.326222	1.796429	2.3	1.027
20	0.326876	1.774259	2.2	1.024
25	0.328101	1.734600	2.0	1.019
30	0.328953	1.708303	1.9	1.016
35	0.329585	1.683957	1.8	1.014
40	0.330068	1.675550	1.8	1.012
45	0.330451	1.664653	1.7	1.011
50	0.330761	1.653940	1.7	1.010
55	0.331019	1.648814	1.6	1.010
60	0.331233	1.644287	1.6	1.009

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0561111	15.0433077	12.2	1.579
1	0.128675	4.624031	20.7	1.384
2	0.182514	3.219015	10.5	1.230
3	0.221986	2.698458	7.3	1.161
4	0.251820	2.428926	5.6	1.123
5	0.275032	2.263911	4.7	1.098
6	0.293710	2.152239	4.1	1.081
7	0.295795	2.071479	3.7	1.069
8	0.308958	2.010256	3.4	1.060
10	0.322431	1.962183	3.1	1.053
12	0.329662	1.891415	2.8	1.043
14	0.336285	1.841726	2.6	1.036
16	0.337323	1.804853	2.4	1.031
18	0.338173	1.776377	2.3	1.027
20	0.338872	1.753702	2.2	1.024
25	0.340185	1.713079	2.0	1.019
30	0.341104	1.686097	1.9	1.016
35	0.341782	1.666854	1.8	1.014
40	0.342303	1.652429	1.8	1.012
45	0.342716	1.641211	1.7	1.011
50	0.343051	1.632235	1.7	1.010
55	0.343330	1.624889	1.6	1.009
60	0.343564	1.618766	1.6	1.009

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1	1	1	1
	2	5	2	7
	3	4	1	1
	4	3	1	1
	5	2	7	1
	6	2	5	1
	7	2	4	1
	8	2	4	1
	9	2	3	1
	10	1	3	1
	11	1	3	1
	12	1	2	1
	13	1	2	1
	14	1	2	1
	15	1	2	1
	16	1	2	1
	17	1	2	1
	18	1	2	1
	19	1	2	1
	20	1	2	1
	25	1	2	1
	30	1	2	1
	35	1	1	1
	40	1	1	1
	45	1	1	1
	50	1	1	1
	55	1	1	1
	60	1	1	1

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1	1	1	1
	2	5	2	7
	3	4	1	1
	4	3	1	1
	5	2	7	1
	6	2	5	1
	7	2	4	1
	8	2	4	1
	9	2	3	1
	10	1	3	1
	11	1	3	1
	12	1	2	1
	13	1	2	1
	14	1	2	1
	15	1	2	1
	16	1	2	1
	17	1	2	1
	18	1	2	1
	19	1	2	1
	20	1	2	1
	25	1	2	1
	30	1	2	1
	35	1	1	1
	40	1	1	1
	45	1	1	1
	50	1	1	1
	55	1	1	1
	60	1	1	1

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.070007	0.326475	1.20.8	0.989
1	0.153966	0.645013	22.2	0.395
2	0.216235	0.203723	11.2	0.240
3	0.262283	0.667490	7.6	0.169
4	0.297438	0.388371	5.9	0.100
5	0.325120	0.216540	4.9	0.04
6	0.347491	0.099623	4.3	0.087
7	0.365959	0.014628	3.8	0.074
8	0.381477	0.949878	3.5	0.064
9	0.394706	0.898801	3.2	0.057
10	0.416090	0.823151	3.0	0.046
11	0.432647	0.769630	2.9	0.038
12	0.445862	0.729653	2.8	0.032
13	0.456665	0.693597	2.7	0.028
14	0.465662	0.673743	2.6	0.025
15	0.482743	0.628892	2.5	0.019
16	0.494825	0.598838	2.4	0.016
17	0.503832	0.577255	2.3	0.013
18	0.510809	0.560987	2.2	0.011
19	0.516375	0.548277	2.1	0.010
20	0.520920	0.538069	2.0	0.009
25	0.524702	0.529688	1.8	0.008
30	0.527898	0.522682	1.6	0.008

CONFIDENCE LEVEL = .3
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.072801	0.379054	1.22.8	0.991
1	0.153999	0.648500	22.6	0.397
2	0.222958	0.200334	11.4	0.241
3	0.270351	0.661032	7.7	0.177
4	0.306613	0.380023	6.0	0.103
5	0.335231	0.206802	5.0	0.086
6	0.358406	0.088794	4.3	0.075
7	0.377577	0.002904	3.9	0.065
8	0.393713	0.937396	3.5	0.058
9	0.407494	0.885665	3.2	0.046
10	0.425820	0.808931	3.0	0.039
11	0.447154	0.734541	2.9	0.033
12	0.461023	0.713848	2.8	0.029
13	0.472383	0.682198	2.7	0.025
14	0.481866	0.656816	2.6	0.021
15	0.499994	0.610944	2.5	0.016
16	0.512723	0.580130	2.4	0.013
17	0.522297	0.557958	2.3	0.011
18	0.529730	0.541220	2.2	0.010
19	0.535665	0.528126	2.1	0.009
20	0.540527	0.517597	2.0	0.008
25	0.544572	0.508945	1.8	0.008
30	0.547997	0.501705	1.6	0.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.075086	15.421147	124.4	1.992
2	0.163107	14.651207	22.9	1.398
3	0.228449	13.197499	11.5	1.243
4	0.276950	12.655742	7.8	1.173
5	0.314130	12.375149	6.1	1.133
6	0.343527	12.198783	5.0	1.107
7	0.367377	12.079871	4.4	1.089
8	0.387138	11.993233	3.9	1.076
9	0.403797	11.927089	3.6	1.066
10	0.418046	11.874807	3.3	1.058
11	0.441176	11.797154	2.9	1.047
12	0.459177	11.742023	2.7	1.039
14	0.473611	11.700713	2.5	1.033
16	0.485457	11.668531	2.3	1.029
20	0.495362	11.642710	2.2	1.026
25	0.514260	11.595942	2.0	1.020
30	0.527713	11.564457	1.9	1.016
35	0.537792	11.541762	1.8	1.013
40	0.545633	11.524604	1.7	1.012
45	0.551909	11.511164	1.7	1.010
50	0.557049	11.500346	1.6	1.009
55	0.561336	11.491448	1.6	1.008
60	0.564968	11.483997	1.5	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.079313	15.496990	127.7	1.995
2	0.170685	14.655899	23.4	1.402
3	0.238593	13.192121	11.8	1.246
4	0.289163	12.645322	8.0	1.176
5	0.328072	12.360330	6.2	1.135
6	0.358947	12.183324	5.2	1.109
7	0.384083	12.063304	4.5	1.091
8	0.404979	11.973146	4.0	1.078
9	0.422650	11.907784	3.6	1.068
10	0.437809	11.854438	3.4	1.060
11	0.462512	11.775000	3.0	1.049
12	0.481833	11.718410	2.7	1.041
14	0.497396	11.673879	2.5	1.035
16	0.510217	11.642653	2.4	1.030
20	0.520976	11.615926	2.2	1.027
25	0.541610	11.567337	2.0	1.020
30	0.556393	11.534469	1.9	1.017
35	0.567532	11.510685	1.8	1.014
40	0.576233	11.492644	1.7	1.012
45	0.583224	11.478473	1.7	1.010
50	0.588967	11.467039	1.6	1.009
55	0.593771	11.457615	1.6	1.008
60	0.597849	11.449709	1.5	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.082213	0.547613	1.300.1	1.997
1	0.175871	0.658903	1.23.8	1.404
2	0.245544	0.188340	1.2.00	1.246
3	0.297552	0.638948	1.8.2	1.178
4	0.337672	0.351462	1.6.2	1.134
5	0.369591	0.173465	1.5.2	1.111
6	0.395642	0.051646	1.4.5	1.093
7	0.417351	0.962581	1.4.1	1.080
8	0.435752	0.894350	1.3.7	1.070
9	0.451572	0.840238	1.3.4	1.062
10	0.477429	0.759500	1.3.0	1.050
11	0.497731	0.701837	1.2.7	1.042
12	0.514136	0.658397	1.2.5	1.036
13	0.527694	0.624385	1.2.4	1.031
14	0.539104	0.596972	1.2.3	1.027
15	0.561078	0.546984	1.2.1	1.021
16	0.576907	0.513037	1.1.9	1.017
17	0.588883	0.488391	1.1.8	1.014
18	0.598274	0.469643	1.1.7	1.012
19	0.605843	0.454883	1.1.6	1.011
20	0.612078	0.442948	1.1.6	1.009
25	0.617306	0.433093	1.1.6	1.008
30	0.621753	0.424813	1.1.5	1.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.084325	0.583805	1.31.8	1.998
1	0.179641	0.660990	1.24.1	1.406
2	0.250604	0.185545	1.2.2	1.250
3	0.303669	0.633911	1.8.3	1.179
4	0.344683	0.344967	1.6.4	1.133
5	0.377379	0.165872	1.5.3	1.111
6	0.404115	0.043164	1.4.6	1.094
7	0.426436	0.953347	1.4.1	1.081
8	0.445389	0.884462	1.3.7	1.071
9	0.461711	0.829773	1.3.5	1.063
10	0.488452	0.748046	1.3.1	1.053
11	0.509508	0.689559	1.3.0	1.043
12	0.526570	0.645413	1.2.8	1.036
13	0.540706	0.610790	1.2.6	1.032
14	0.552629	0.582836	1.2.4	1.028
15	0.573670	0.531737	1.2.3	1.023
16	0.592342	0.496921	1.2.1	1.017
17	0.605002	0.471574	1.1.9	1.015
18	0.614961	0.452246	1.1.8	1.012
19	0.623009	0.436957	1.1.7	1.011
20	0.629655	0.424645	1.1.6	1.010
25	0.635239	0.414429	1.1.6	1.009
30	0.639999	0.405833	1.1.6	1.008

CONFIDENCE LEVEL = .8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.085930	15.610968	133.2	1.999
2	0.182506	14.662524	24.4	1.407
3	0.254452	13.183398	12.3	1.251
4	0.308336	12.630063	8.5	1.180
5	0.350029	12.340006	6.5	1.140
6	0.383325	12.160069	5.4	1.144
7	0.410593	12.036676	4.6	1.095
8	0.433391	11.946275	4.2	1.072
9	0.452777	11.876882	3.8	1.082
10	0.469493	11.821740	3.5	1.064
12	0.496932	11.759236	3.1	1.052
14	0.518589	11.680095	2.8	1.043
16	0.536177	11.635386	2.6	1.037
18	0.550778	11.600271	2.4	1.032
20	0.563116	11.571881	2.3	1.029
25	0.587029	11.519876	2.0	1.022
30	0.604396	11.484345	1.8	1.018
35	0.617625	11.458414	1.6	1.015
40	0.628061	11.433601	1.4	1.013
45	0.636515	11.422940	1.3	1.011
50	0.643510	11.410233	1.2	1.010
55	0.649393	11.399708	1.1	1.009
60	0.654426	11.390841	1.1	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.087192	15.622106	134.3	2.000
2	0.184756	14.665693	24.6	1.408
3	0.257477	13.181697	12.4	1.253
4	0.311989	12.627029	8.4	1.181
5	0.354240	12.336095	6.5	1.141
6	0.388014	12.155491	5.4	1.145
7	0.415707	12.031552	4.7	1.096
8	0.438887	11.940686	4.2	1.073
9	0.458620	11.870886	3.8	1.083
10	0.475635	11.821538	3.5	1.064
12	0.503659	11.752247	3.1	1.052
14	0.525807	11.673575	2.8	1.044
16	0.543324	11.627407	2.6	1.038
18	0.558808	11.591387	2.4	1.033
20	0.571490	11.563138	2.3	1.029
25	0.596129	11.510380	2.0	1.022
30	0.614079	11.474248	1.8	1.018
35	0.627791	11.447824	1.6	1.015
40	0.638633	11.427597	1.4	1.013
45	0.647433	11.411583	1.3	1.011
50	0.654731	11.398571	1.2	1.010
55	0.660883	11.387779	1.1	1.009
60	0.666143	11.378677	1.1	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.088210	15.649025	135.2	2.001
4	0.186570	4.664627	24.7	1.408
3	0.259916	3.180318	12.5	1.253
2	0.314947	2.624575	8.5	1.132
1	0.357642	2.332932	6.5	1.141
6	0.391805	2.151787	5.4	1.115
7	0.419846	2.027404	4.7	1.097
8	0.443340	1.936159	4.2	1.084
9	0.463359	1.866024	3.8	1.072
10	0.480656	1.810220	3.6	1.065
12	0.509127	1.726568	3.1	1.053
14	0.533168	1.666453	2.8	1.044
16	0.550059	1.610903	2.6	1.038
18	0.565363	1.585046	2.5	1.033
20	0.578334	1.555995	2.3	1.030
25	0.603587	1.502601	2.1	1.023
30	0.622035	1.433911	2.0	1.016
35	0.636161	1.418527	1.8	1.013
40	0.647334	1.402206	1.7	1.011
45	0.656457	1.388928	1.6	1.010
50	0.664016	1.377903	1.6	1.009
55	0.670399	1.368593	1.6	1.008
60	0.675864		1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.089048	15.662873	135.9	2.001
4	0.188063	4.665379	24.8	1.409
3	0.261925	3.179177	12.5	1.254
2	0.317385	2.622550	8.5	1.183
1	0.360448	2.330321	6.6	1.142
6	0.394933	2.148729	5.5	1.116
7	0.423265	2.023978	4.7	1.098
8	0.447021	1.932416	4.2	1.084
9	0.467278	1.862003	3.8	1.074
10	0.484795	1.805949	3.6	1.066
12	0.513660	1.721862	3.1	1.053
14	0.536558	1.661378	2.8	1.045
16	0.555239	1.615503	2.6	1.039
18	0.570817	1.579358	2.5	1.034
20	0.584034	1.550049	2.4	1.030
25	0.609812	1.496110	2.1	1.023
30	0.628691	1.459027	2.0	1.019
35	0.643176	1.431813	1.9	1.016
40	0.654675	1.410917	1.8	1.013
45	0.664043	1.394337	1.7	1.012
50	0.671834	1.380816	1.7	1.010
55	0.678420	1.369582	1.6	1.009
60	0.684067	1.360091	1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.089751	15.674417	136.6	2.002
1	0.189314	4.666001	124.9	1.410
2	0.263609	3.178217	12.6	1.254
3	0.319429	2.620850	8.5	1.183
4	0.362802	2.328131	6.6	1.143
5	0.397563	2.146162	5.5	1.116
6	0.426137	2.021100	4.8	1.098
7	0.450114	1.929270	4.3	1.085
8	0.470575	1.858621	3.9	1.074
9	0.488279	1.802355	3.6	1.066
10	0.517479	1.717898	3.3	1.054
11	0.540671	1.657097	3.2	1.045
12	0.559613	1.610945	2.9	1.039
13	0.575425	1.574553	2.7	1.034
14	0.588855	1.545022	2.5	1.030
15	0.615090	1.490611	2.4	1.023
16	0.634343	1.453143	2.1	1.019
17	0.649144	1.425607	2.0	1.016
18	0.660912	1.404437	1.9	1.014
19	0.670515	1.387610	1.7	1.012
20	0.678510	1.373891	1.7	1.010
25	0.685279	1.362475	1.6	1.009
30	0.691088	1.352818	1.6	1.008

CONFIDENCE LEVEL=.8
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
1	0.0	39.863458	*	2.000
2	0.0	8.526316	*	1.449
3	0.0	5.538319	*	1.323
4	0.0	4.544771	*	1.271
5	0.0	4.060420	*	1.243
6	0.0	3.775950	*	1.226
7	0.0	3.589428	*	1.214
8	0.0	3.457919	*	1.205
9	0.0	3.360303	*	1.199
10	0.0	3.285015	*	1.194
12	0.0	3.176549	*	1.187
14	0.0	3.102213	*	1.181
16	0.0	3.048110	*	1.178
18	0.0	3.006977	*	1.175
20	0.0	2.974653	*	1.173
25	0.0	2.917745	*	1.169
30	0.0	2.883069	*	1.166
35	0.0	2.854655	*	1.164
40	0.0	2.835354	*	1.163
45	0.0	2.820416	*	1.162
50	0.0	2.808658	*	1.161
55	0.0	2.799043	*	1.160
60	0.0	2.791068	*	1.160

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
2	0.000049	49.549454	2022.6	1.576
1	0.000830	9.088744	112.7	1.383
2	0.002406	5.576115	40.6	1.238
3	0.003931	4.454266	24.1	1.176
4	0.005403	3.920234	17.6	1.142
5	0.006605	3.611532	14.2	1.122
6	0.007620	3.411416	12.2	1.108
7	0.008478	3.271525	10.9	1.098
8	0.009209	3.168378	9.9	1.090
9	0.009836	3.089248	9.2	1.084
10	0.010833	2.975928	8.3	1.076
12	0.011642	2.898753	7.6	1.070
14	0.012258	2.842343	7.2	1.066
16	0.012776	2.800487	6.9	1.063
18	0.013197	2.767297	6.6	1.060
20	0.013937	2.709068	6.2	1.056
25	0.014538	2.671301	5.9	1.053
30	0.014944	2.644828	5.7	1.051
35	0.015255	2.625243	5.6	1.050
40	0.015501	2.610168	5.5	1.049
45	0.015701	2.598207	5.4	1.048
50	0.015866	2.588485	5.4	1.047
55	0.016005	2.580427	5.3	1.046
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CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.002065	53.815880	485.9	1.971
1	0.011094	39.375805	46.7	1.371
2	0.020630	5.613856	19.6	1.221
3	0.028510	4.420880	12.4	1.156
4	0.034765	3.854302	9.3	1.122
5	0.039747	3.526983	7.6	1.100
6	0.043770	3.314777	6.6	1.086
7	0.047072	3.166376	5.9	1.075
8	0.049823	3.056896	5.4	1.068
9	0.052146	2.972861	5.0	1.062
10	0.055846	2.852420	4.5	1.053
11	0.059658	2.770311	4.2	1.048
12	0.060864	2.710772	3.9	1.043
13	0.062639	2.665631	3.7	1.040
14	0.064098	2.630235	3.6	1.038
15	0.066814	2.568077	3.3	1.034
16	0.068690	2.527718	3.2	1.031
17	0.070064	2.499404	3.1	1.029
18	0.071112	2.478443	3.0	1.028
19	0.071939	2.462302	3.0	1.027
20	0.072608	2.449438	2.9	1.026
21	0.073159	2.439070	2.9	1.025
22	0.073622	2.430433	2.8	1.024

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.007034	56.153169	351.8	1.974
1	0.026316	39.500000	39.0	1.372
2	0.043800	5.594752	16.8	1.220
3	0.057526	4.359658	10.7	1.154
4	0.068183	3.773321	8.0	1.117
5	0.076580	3.434458	6.5	1.095
6	0.083321	3.214618	5.6	1.080
7	0.088835	3.060759	5.0	1.069
8	0.093418	2.947165	4.6	1.061
9	0.097284	2.859906	4.3	1.055
10	0.103437	2.734718	3.8	1.047
11	0.108109	2.649267	3.5	1.041
12	0.111774	2.587240	3.3	1.036
13	0.114724	2.540171	3.1	1.033
14	0.117149	2.503234	3.0	1.031
15	0.122166	2.438302	2.8	1.026
16	0.124785	2.396089	2.6	1.024
17	0.127070	2.366447	2.5	1.022
18	0.129816	2.344489	2.5	1.020
19	0.130193	2.327568	2.4	1.019
20	0.131306	2.314131	2.4	1.018
21	0.132225	2.303201	2.3	1.018
22	0.132997	2.294136	2.3	1.017

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.012874	57.601703	319.3	1.577
1	0.040827	9.560859	37.3	1.276
2	0.064679	5.565977	16.2	1.222
3	0.083093	4.504244	10.3	1.154
4	0.097320	3.705178	7.7	1.117
5	0.108517	3.358730	6.2	1.094
6	0.117512	3.133781	5.4	1.079
7	0.124877	2.976207	4.8	1.068
8	0.131009	2.859771	4.3	1.059
9	0.136187	2.770256	4.0	1.053
10	0.144445	2.641693	3.5	1.044
11	0.150731	2.553824	3.2	1.038
12	0.155671	2.483969	3.0	1.033
13	0.159655	2.441468	2.9	1.030
14	0.162935	2.403375	2.7	1.027
15	0.166293	2.363337	2.5	1.023
16	0.169733	2.292697	2.4	1.020
17	0.173240	2.262023	2.3	1.018
18	0.176822	2.239282	2.2	1.017
19	0.180660	2.221748	2.2	1.016
20	0.182280	2.207816	2.1	1.015
21	0.183436	2.196480	2.1	1.014
22	0.184491	2.187075	2.1	1.014

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.013430	58.582101	310.8	1.980
1	0.053300	9.594783	37.3	1.380
2	0.082189	5.538906	16.2	1.235
3	0.104359	4.258822	10.3	1.156
4	0.121484	3.650821	7.6	1.115
5	0.134984	3.298941	6.2	1.095
6	0.145854	3.070266	5.3	1.079
7	0.154774	2.909940	4.7	1.068
8	0.162215	2.791367	4.2	1.059
9	0.168513	2.700134	3.9	1.052
10	0.173853	2.633965	3.6	1.043
11	0.178627	2.579155	3.4	1.037
12	0.182933	2.533887	3.2	1.032
13	0.186827	2.494232	3.0	1.029
14	0.190233	2.462202	2.9	1.026
15	0.193205	2.436435	2.7	1.021
16	0.195818	2.411610	2.6	1.018
17	0.198124	2.388614	2.5	1.016
18	0.200126	2.366669	2.4	1.015
19	0.201881	2.345861	2.3	1.014
20	0.203406	2.325777	2.2	1.012
21	0.204818	2.306879	2.1	1.012
22	0.206126	2.28879	2.1	1.012

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.023363	59.288550	310.4	1.983
1	0.063762	59.615634	37.5	1.383
2	0.096696	55.513585	16.3	1.228
3	0.121920	4.222048	10.3	1.159
4	0.141434	3.607378	7.6	1.122
5	0.156854	3.251371	6.2	1.096
6	0.169302	3.019816	5.3	1.080
7	0.179542	2.857332	4.6	1.068
8	0.188105	2.737063	4.2	1.059
9	0.195367	2.644453	3.5	1.052
10	0.207011	2.511164	3.4	1.043
11	0.215929	2.419826	3.1	1.036
12	0.222976	2.353304	2.9	1.031
13	0.228683	2.302680	2.7	1.028
14	0.233399	2.262853	2.6	1.025
15	0.237224	2.219260	2.5	1.020
16	0.240405	2.174675	2.2	1.017
17	0.242946	2.131445	2.1	1.015
18	0.245643	2.090474	2.0	1.014
19	0.248138	2.071959	2.0	1.013
20	0.250142	2.057232	1.9	1.012
25	0.253276	2.045238	1.9	1.011
30	0.256483	2.035281	1.9	1.011
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CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.027644	59.821505	313.2	1.585
1	0.072529	59.629424	38.1	1.336
2	0.108769	55.495895	16.6	1.230
3	0.136521	4.192041	10.4	1.161
4	0.158032	3.572174	7.7	1.123
5	0.175076	3.212899	6.2	1.097
6	0.188868	3.079032	5.3	1.081
7	0.200243	2.814792	4.7	1.069
8	0.209775	2.693128	4.2	1.060
9	0.217876	2.599575	3.9	1.053
10	0.230899	2.464306	3.4	1.043
11	0.240904	2.371636	3.1	1.036
12	0.248830	2.304072	2.8	1.031
13	0.255254	2.252607	2.7	1.027
14	0.260589	2.212087	2.5	1.025
15	0.270600	2.140536	2.3	1.020
16	0.277598	2.093770	2.2	1.017
17	0.282765	2.060797	2.1	1.015
18	0.286737	2.036293	2.0	1.013
19	0.289884	2.017363	1.9	1.012
20	0.292441	2.002298	1.9	1.011
25	0.294558	1.990023	1.8	1.010
30	0.296340	1.979828	1.8	1.010
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CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.031342	0.237814	317.3	1.987
1	0.079923	0.639070	38.7	1.388
2	0.118913	0.479274	16.8	1.232
3	0.148788	0.167240	10.5	1.162
4	0.171995	0.543196	7.8	1.123
5	0.190426	0.181255	6.3	1.099
6	0.205379	0.945478	5.3	1.082
7	0.217737	0.779773	4.7	1.070
8	0.222811	0.656934	4.2	1.060
10	0.236953	0.562209	3.9	1.053
12	0.251194	0.425614	3.4	1.043
14	0.262168	0.331788	3.1	1.036
16	0.270882	0.263312	2.8	1.033
18	0.277969	0.211106	2.7	1.027
20	0.283846	0.169972	2.5	1.024
25	0.294922	0.097257	2.3	1.019
30	0.302685	0.049668	2.1	1.016
35	0.308430	0.016081	2.0	1.014
40	0.312852	0.991101	2.0	1.013
45	0.316362	0.971791	1.9	1.012
50	0.319216	0.956415	1.8	1.011
55	0.321532	0.943381	1.8	1.010
60	0.323575	0.933467	1.8	1.009

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.034541	0.571979	321.8	1.988
1	0.086217	0.646122	39.3	1.391
2	0.127526	0.465156	17.1	1.234
3	0.159209	0.146469	10.7	1.164
4	0.183872	0.518983	7.9	1.125
5	0.203504	0.154820	6.3	1.100
6	0.219466	0.917433	5.4	1.083
7	0.232687	0.750481	4.7	1.070
8	0.243811	0.626634	4.2	1.063
9	0.253299	0.531070	3.9	1.054
10	0.261625	0.393145	3.4	1.043
12	0.280466	0.298302	3.1	1.036
14	0.289890	0.229017	2.8	1.033
16	0.297570	0.176151	2.6	1.027
18	0.303949	0.134465	2.5	1.024
20	0.311599	0.060698	2.3	1.019
25	0.324468	0.012360	2.1	1.016
30	0.330747	0.978211	2.0	1.014
35	0.335590	0.952792	1.9	1.012
40	0.339438	0.933131	1.8	1.011
45	0.342569	0.917467	1.8	1.010
50	0.345168	0.904692	1.8	1.010
55	0.347358	0.894074	1.8	1.009
60	0.347358	0.894074	1.8	1.009

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.039756	0.075103	330.7	1.990
1	0.096312	0.655620	40.4	1.394
2	0.141317	0.442621	17.5	1.238
3	0.175912	0.313745	10.9	1.167
4	0.202944	0.490907	8.0	1.127
5	0.224549	0.313238	6.5	1.102
6	0.242193	0.2873276	5.5	1.085
7	0.256842	0.2704306	4.8	1.072
8	0.269219	0.2578812	4.3	1.063
9	0.279808	0.2481364	3.9	1.055
10	0.296980	0.2341722	3.4	1.044
11	0.310312	0.245163	3.1	1.037
12	0.320967	0.2174502	2.8	1.032
13	0.329680	0.2120500	2.6	1.028
14	0.336940	0.2077860	2.5	1.025
15	0.350711	0.2002258	2.3	1.019
16	0.360439	0.1952597	2.1	1.016
17	0.367679	0.1917447	2.0	1.014
18	0.373280	0.1891244	1.9	1.012
19	0.377741	0.1870951	1.8	1.011
20	0.381380	0.1854766	1.8	1.010
25	0.384404	0.1841556	1.8	1.009
30	0.386957	0.1830567	1.7	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.043798	0.435383	338.8	1.992
1	0.104021	0.661639	41.4	1.396
2	0.151836	0.425534	17.9	1.240
3	0.188674	0.089210	11.2	1.169
4	0.217551	0.452392	8.2	1.129
5	0.240708	0.082070	6.6	1.104
6	0.259671	0.2840132	5.6	1.086
7	0.275432	0.2669592	4.9	1.074
8	0.288869	0.2542802	4.4	1.064
9	0.300352	0.2444756	4.0	1.056
10	0.319039	0.2302932	3.5	1.045
11	0.333608	0.2204874	3.1	1.038
12	0.345292	0.2133077	2.9	1.032
13	0.354877	0.2078131	2.7	1.028
14	0.362884	0.2034690	2.5	1.025
15	0.373131	0.1957530	2.3	1.019
16	0.388951	0.1906733	2.1	1.016
17	0.397033	0.1870714	2.0	1.013
18	0.403302	0.1843825	1.9	1.012
19	0.408307	0.1822975	1.8	1.010
20	0.412396	0.1806331	1.8	1.010
25	0.415801	0.1792733	1.7	1.009
30	0.418679	0.1781414	1.7	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.047006	0.707260	345.8	1.993
1	0.110084	0.665752	42.3	1.398
2	0.160107	0.412185	18.3	1.242
3	0.198724	0.070170	11.4	1.171
4	0.229078	0.430269	8.3	1.131
5	0.253488	0.057865	6.7	1.105
6	0.273531	2.814357	5.6	1.088
7	0.290286	0.642558	4.9	1.075
8	0.304506	0.514719	4.4	1.065
9	0.316730	2.415777	4.0	1.057
10	0.336683	2.272384	3.5	1.046
12	0.352293	2.173260	3.1	1.038
14	0.364832	2.100506	2.9	1.033
16	0.375183	2.044759	2.7	1.028
18	0.383834	2.000634	2.5	1.025
20	0.400363	0.922130	2.3	1.020
25	0.412141	0.870341	2.1	1.016
30	0.420966	0.833559	2.0	1.013
35	0.427829	0.806062	1.9	1.012
40	0.433321	0.784716	1.8	1.010
45	0.437816	0.767660	1.8	1.009
50	0.441553	0.753714	1.7	1.009
55	0.444736	0.742057	1.7	1.008
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CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.049608	0.918811	351.9	1.993
1	0.114970	0.668722	43.0	1.400
2	0.166774	0.401488	18.6	1.244
3	0.206836	0.054980	11.6	1.173
4	0.238399	0.412518	8.5	1.133
5	0.263392	0.038534	6.8	1.107
6	0.284781	0.793747	5.7	1.089
7	0.302322	0.620915	5.0	1.076
8	0.317240	2.492208	4.5	1.066
9	0.330089	2.392518	4.1	1.058
10	0.351115	2.247891	3.7	1.047
12	0.367516	2.147779	3.2	1.039
14	0.380928	2.074208	2.9	1.033
16	0.391904	0.017770	2.7	1.029
18	0.401115	0.973053	2.5	1.026
20	0.418768	0.893375	2.3	1.020
25	0.431394	0.840711	2.1	1.016
30	0.440883	0.803249	2.0	1.014
35	0.448280	0.775208	1.9	1.013
40	0.454210	0.753417	1.8	1.010
45	0.459072	0.735988	1.8	1.009
50	0.463131	0.721727	1.7	1.008
55	0.466572	0.709838	1.7	1.008
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CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.051758	0.088363	357.3	1.995
1	0.118588	0.670957	43.6	1.401
2	0.172258	0.392735	18.8	1.245
3	0.213518	0.042588	11.7	1.174
4	0.246088	0.398214	3.6	1.134
5	0.272396	0.022745	6.9	1.103
6	0.294090	0.776896	5.8	1.090
7	0.312298	0.603157	5.1	1.077
8	0.327809	0.473759	4.5	1.067
9	0.341192	0.373437	4.1	1.059
10	0.363139	0.227758	3.6	1.048
12	0.380411	0.126795	3.2	1.040
14	0.394378	0.052517	2.5	1.034
16	0.405918	0.995477	2.7	1.029
18	0.415622	0.550242	2.6	1.026
20	0.434270	0.869528	2.3	1.020
25	0.447652	0.816085	2.1	1.016
30	0.457737	0.778014	2.0	1.014
35	0.465616	0.749482	1.9	1.012
40	0.471944	0.727287	1.8	1.010
45	0.477141	0.709520	1.8	1.009
50	0.481485	0.694970	1.7	1.008
55	0.485172	0.682834	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.055782	0.394271	367.9	1.997
1	0.126469	0.674679	44.8	1.404
2	0.182474	0.376546	19.3	1.248
3	0.225989	0.019743	12.0	1.177
4	0.260471	0.371645	8.8	1.136
5	0.288433	0.995582	7.0	1.110
6	0.311579	0.745721	5.5	1.092
7	0.331077	0.570369	5.2	1.079
8	0.347746	0.439523	4.6	1.069
9	0.362175	0.337974	4.2	1.061
10	0.385942	0.190234	3.6	1.049
12	0.404750	0.087587	3.3	1.041
14	0.420035	0.011392	3.0	1.035
16	0.432720	0.953640	2.8	1.030
18	0.443429	0.907350	2.6	1.027
20	0.464129	0.824507	2.3	1.021
25	0.479092	0.769442	2.1	1.017
30	0.490434	0.730087	2.0	1.014
35	0.499339	0.700514	1.9	1.012
40	0.506520	0.677455	1.8	1.010
45	0.512438	0.658958	1.8	1.009
50	0.517400	0.643785	1.7	1.008
55	0.521623	0.631110	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.058576	0.598734	375.7	0.998
1	0.131637	0.676953	45.7	0.406
2	0.189539	0.765449	55.7	0.250
3	0.234631	0.804127	62.3	0.179
4	0.270462	0.835467	69.0	0.138
5	0.299601	0.873596	77.2	0.112
6	0.323790	0.924317	86.0	0.094
7	0.344221	0.977787	95.3	0.080
8	0.361733	0.415929	104.7	0.070
9	0.376928	0.513490	114.3	0.062
10	0.402042	0.164239	124.3	0.050
11	0.422000	0.060340	134.3	0.042
12	0.438280	0.983581	144.3	0.036
13	0.451883	0.924408	154.3	0.033
14	0.463321	0.877309	164.3	0.028
15	0.485619	0.792914	174.3	0.021
16	0.501833	0.736467	184.3	0.014
17	0.514183	0.696087	194.3	0.011
18	0.523918	0.665670	204.3	0.012
19	0.535179	0.641906	214.3	0.011
20	0.538310	0.622309	224.3	0.009
21	0.543735	0.607120	234.3	0.009
22	0.548454	0.593994	244.3	0.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.060626	0.745044	381.7	0.998
1	0.135419	0.678481	46.4	0.407
2	0.194712	0.757375	56.0	0.251
3	0.240969	0.92783	62.4	0.180
4	0.277804	0.340252	69.1	0.135
5	0.307824	0.959048	77.3	0.113
6	0.332797	0.708714	86.3	0.095
7	0.353934	0.531303	95.3	0.085
8	0.372086	0.338681	104.7	0.077
9	0.387867	0.295567	114.3	0.068
10	0.414019	0.145139	124.3	0.056
11	0.434869	0.040292	134.3	0.050
12	0.451930	0.962703	144.3	0.044
13	0.466177	0.902805	154.3	0.037
14	0.478272	0.855067	164.3	0.033
15	0.501885	0.769349	174.3	0.028
16	0.519082	0.711863	184.3	0.021
17	0.533226	0.670641	194.3	0.015
18	0.542683	0.639526	204.3	0.012
19	0.551147	0.615573	214.3	0.011
20	0.558158	0.595572	224.3	0.010
21	0.564067	0.579446	234.3	0.009
22	0.569116	0.565937	244.3	0.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
40	0.062194	0.854924	386.4	1.999
42	0.138304	0.679575	46.9	1.408
44	0.198663	0.535124	20.2	1.252
46	0.245816	0.498417	12.6	1.181
48	0.283426	0.330214	9.2	1.140
50	0.314129	0.294798	7.4	1.114
52	0.339714	0.269683	6.2	1.096
54	0.361404	0.251873	5.4	1.082
56	0.380060	0.238552	4.8	1.072
58	0.396304	0.226137	4.4	1.064
60	0.423279	0.213055	3.8	1.052
62	0.444843	0.202491	3.4	1.043
64	0.462530	0.194662	3.1	1.037
66	0.477335	0.188617	2.9	1.032
68	0.489930	0.183792	2.7	1.025
70	0.514562	0.175101	2.4	1.022
72	0.532263	0.169277	2.2	1.018
74	0.546505	0.165084	2.0	1.015
76	0.557510	0.161914	1.9	1.013
78	0.566467	0.159428	1.8	1.011
80	0.573906	0.157425	1.8	1.010
82	0.580187	0.155775	1.7	1.009
84	0.585564	0.154391	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
45	0.063431	0.940475	390.2	2.000
47	0.140578	0.680396	47.4	1.409
49	0.201778	0.534642	20.4	1.253
51	0.249641	0.497741	12.7	1.182
53	0.287868	0.322330	9.3	1.141
55	0.319118	0.293291	7.4	1.115
57	0.345193	0.268745	6.3	1.097
59	0.367328	0.250884	5.5	1.082
61	0.385391	0.237514	4.9	1.073
63	0.403009	0.227107	4.4	1.065
65	0.430653	0.211901	3.8	1.053
67	0.452800	0.201274	3.4	1.044
69	0.471003	0.193394	3.1	1.038
71	0.486258	0.187298	2.9	1.033
73	0.499278	0.182429	2.7	1.029
75	0.524789	0.173648	2.4	1.023
77	0.543572	0.167751	2.2	1.018
79	0.558032	0.163498	2.0	1.015
81	0.569534	0.160278	1.9	1.013
83	0.578917	0.157749	1.9	1.011
85	0.586725	0.155709	1.8	1.010
87	0.593331	0.154025	1.7	1.009
89	0.598994	0.152614	1.7	1.008

CONFIDENCE LEVEL = .9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.0644432	0.008972	393.3	2.000
2	0.142416	0.6810035	47.7	1.409
3	0.204297	0.942537	20.6	1.253
4	0.252737	0.971968	12.8	1.182
5	0.291467	0.985975	9.4	1.142
6	0.323163	0.992277	7.5	1.116
7	0.349640	0.99950	6.3	1.097
8	0.372140	0.999855	5.5	1.084
9	0.391538	0.999763	4.9	1.073
10	0.408465	0.99962339	4.5	1.065
11	0.423664	0.9994664	4.2	1.053
12	0.4369298	0.9992374	3.9	1.045
13	0.4477933	0.99892617	3.7	1.038
14	0.4563584	0.99852247	3.5	1.033
15	0.46306943	0.99803296	3.3	1.030
16	0.4683200	0.99746221	3.2	1.023
17	0.4725991	0.99685029	3.1	1.018
18	0.4767558	0.99621989	3.0	1.015
19	0.4808944	0.99558347	2.9	1.013
20	0.4849777	0.9949539	2.8	1.011
21	0.4897377	0.99432959	2.7	1.010
22	0.4942367	0.99371144	2.6	1.009
23	0.4984183	0.99309964	2.5	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.0635259	0.065053	393.3	2.001
2	0.1433933	0.681546	48.0	1.410
3	0.205376	0.939340	20.7	1.254
4	0.255294	0.967487	12.9	1.183
5	0.294441	0.9810743	9.4	1.143
6	0.326509	0.9926500	7.5	1.117
7	0.3533217	0.9973734	6.3	1.098
8	0.3761227	0.9994264	5.5	1.084
9	0.3958006	0.9998844	4.9	1.074
10	0.4122993	0.9997325	4.5	1.066
11	0.426559	0.9994934	4.2	1.054
12	0.439705	0.9991703	3.9	1.045
13	0.451706	0.9987858	3.7	1.039
14	0.462637	0.9983345	3.5	1.034
15	0.4725343	0.9978083	3.3	1.030
16	0.4814242	0.9972150	3.2	1.023
17	0.4893159	0.99654621	3.1	1.019
18	0.4962567	0.9958111	3.0	1.016
19	0.5023777	0.9950110	2.9	1.013
20	0.507757	0.9941522	2.8	1.012
21	0.5124375	0.9932314	2.7	1.010
22	0.5164517	0.9922536	2.6	1.009
23	0.5198558	0.991229	2.5	1.008

CONFIDENCE LEVEL=.9
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.065954	0.111814	398.2	2.001
1	0.145205	0.681963	48.3	1.410
2	0.208131	0.336663	20.8	1.254
3	0.257442	0.196373	13.0	1.183
4	0.296941	0.130636	9.5	1.143
5	0.329323	0.092165	7.6	1.117
6	0.356418	0.066852	6.4	1.098
7	0.379484	0.048373	5.6	1.085
8	0.399402	0.035403	5.0	1.074
9	0.416810	0.024906	4.5	1.066
10	0.445876	0.009543	3.9	1.054
11	0.469274	0.007851	3.5	1.045
12	0.488590	0.007851	3.2	1.039
13	0.504855	0.007952	2.9	1.034
14	0.518772	0.007952	2.8	1.030
15	0.546226	0.006405	2.4	1.023
16	0.566602	0.006019	2.2	1.019
17	0.582398	0.005635	2.1	1.016
18	0.595041	0.005422	2.0	1.014
19	0.605410	0.005210	1.9	1.012
20	0.614082	0.005034	1.8	1.010
25	0.621449	0.004886	1.8	1.009
30	0.627792	0.004886	1.7	1.008

CONFIDENCE LEVEL=.5
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	16.447639	*	2.0000
2	0.00	18.512821	*	1.434
3	0.00	10.127964	*	1.302
4	0.00	7.708647	*	1.247
5	0.00	6.607891	*	1.218
6	0.00	5.987378	*	1.200
7	0.00	5.591448	*	1.188
8	0.00	5.317655	*	1.173
9	0.00	5.117355	*	1.173
10	0.00	4.964603	*	1.168
11	0.00	4.747225	*	1.160
12	0.00	4.600110	*	1.155
14	0.00	4.493398	*	1.151
16	0.00	4.413873	*	1.144
18	0.00	4.351244	*	1.146
20	0.00	4.241099	*	1.142
25	0.00	4.170877	*	1.140
30	0.00	4.121338	*	1.133
35	0.00	4.084746	*	1.133
40	0.00	4.056612	*	1.136
45	0.00	4.034310	*	1.135
50	0.00	4.016195	*	1.133
55	0.00	4.001191	*	1.134
60	0.00		*	

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000003	19.524903	16053.6	1.591
2	0.0000113	19.0472299	422.8	1.393
3	0.0000431	9.616022	115.1	1.249
4	0.0000836	7.019978	118.8	1.184
5	0.001249	5.870332	39.1	1.150
6	0.001632	5.233764	29.7	1.123
7	0.001977	4.832767	24.3	1.103
8	0.002281	4.558135	21.0	1.083
9	0.002549	4.358731	18.6	1.095
10	0.002735	4.207530	17.0	1.089
12	0.003130	3.993943	14.8	1.080
14	0.003495	3.850396	13.3	1.074
16	0.003750	3.747407	12.4	1.070
18	0.003961	3.669959	11.7	1.067
20	0.004138	3.609617	11.1	1.064
25	0.004476	3.504505	10.2	1.059
30	0.004715	3.436348	9.6	1.056
35	0.004893	3.389668	9.2	1.054
40	0.005033	3.354895	9.0	1.053
45	0.005141	3.328207	8.8	1.052
50	0.005230	3.307078	8.6	1.051
55	0.005304	3.289936	8.5	1.050
60	0.005367	3.275750	8.3	1.049

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000515	0.929671	1.945.0	0.987
1	0.003976	0.348611	1.08.5	0.386
2	0.008473	0.463172	37.3	0.231
3	0.012599	0.782139	21.2	0.164
4	0.016082	0.603648	14.9	0.128
5	0.018967	0.953858	11.7	0.106
6	0.021363	0.545591	9.8	0.090
7	0.023368	0.266449	8.6	0.080
8	0.025064	0.064000	7.7	0.072
9	0.026514	0.910660	7.1	0.065
10	0.028853	0.694088	6.2	0.056
11	0.030654	0.548656	5.6	0.050
12	0.032080	0.444349	5.2	0.046
13	0.033255	0.365923	4.9	0.043
14	0.034191	0.304825	4.7	0.040
15	0.035980	0.198398	4.3	0.036
16	0.037226	0.129893	4.1	0.033
17	0.038142	0.082116	3.9	0.031
18	0.038844	0.046901	3.8	0.029
19	0.039393	0.019871	3.7	0.028
20	0.039848	0.998469	3.7	0.027
21	0.040219	0.981104	3.6	0.027
22	0.040532	0.966733	3.5	0.026

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.002726	0.977836	1.440.9	0.987
1	0.012821	0.500000	79.0	0.395
2	0.023266	0.352097	28.8	0.228
3	0.032038	0.618109	16.7	0.160
4	0.039130	0.420015	11.8	0.123
5	0.044868	0.760438	9.3	0.099
6	0.049562	0.346356	7.8	0.084
7	0.053453	0.065354	6.8	0.073
8	0.056722	0.858142	6.1	0.064
9	0.059502	0.702719	5.6	0.058
10	0.063966	0.483190	4.9	0.049
11	0.067388	0.335744	4.4	0.043
12	0.070039	0.229966	4.1	0.038
13	0.072274	0.150413	3.8	0.035
14	0.074077	0.088422	3.7	0.032
15	0.077450	0.980398	3.3	0.028
16	0.079793	0.910830	3.1	0.025
17	0.081515	0.862294	3.0	0.023
18	0.082833	0.826508	2.9	0.021
19	0.083875	0.799032	2.8	0.020
20	0.084718	0.777273	2.8	0.019
21	0.085415	0.759615	2.7	0.019
22	0.086001	0.744999	2.7	0.018

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.006155	0.650242	944.7	1.589
10	0.023011	9.576408	71.4	1.387
15	0.038862	9.263509	26.5	1.229
20	0.051750	6.495964	15.4	1.160
25	0.062031	5.285205	10.9	1.122
30	0.070297	4.619136	8.6	1.098
35	0.077041	4.201084	7.1	1.082
40	0.082626	3.915372	6.2	1.070
45	0.087315	3.708169	5.6	1.063
50	0.091300	3.551209	5.1	1.055
55	0.097713	3.329437	4.4	1.046
60	0.102629	3.180411	4.0	1.039
100	0.106515	3.073450	3.7	1.035
120	0.109663	3.002973	3.4	1.031
140	0.112323	2.930236	3.3	1.025
160	0.114713	2.872085	3.0	1.024
180	0.117105	2.825036	2.8	1.021
200	0.119230	2.790154	2.7	1.019
250	0.123492	2.664857	2.6	1.018
300	0.126435	2.636979	2.5	1.017
350	0.127660	2.614396	2.4	1.016
400	0.128667	2.596970	2.4	1.015
500	0.129523	2.582130	2.4	1.014

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.009938	34.520365	877.7	1.990
10	0.032631	19.618435	69.2	1.389
15	0.053066	9.193441	25.9	1.230
20	0.069941	6.403020	15.0	1.161
25	0.082395	5.183477	10.6	1.123
30	0.092828	4.512788	8.3	1.098
35	0.101344	4.051829	6.9	1.083
40	0.108404	3.804077	6.0	1.070
45	0.114342	3.595340	5.3	1.061
50	0.119194	3.437168	4.9	1.054
55	0.123054	3.213580	4.4	1.044
60	0.126433	3.063240	4.2	1.038
100	0.133809	2.955273	3.5	1.033
120	0.142739	2.873995	3.3	1.030
140	0.146130	2.810605	3.1	1.027
160	0.152386	2.700009	2.8	1.022
180	0.156751	2.629678	2.6	1.019
200	0.159969	2.578853	2.5	1.017
250	0.162439	2.542083	2.4	1.016
300	0.164395	2.513829	2.3	1.015
350	0.165398	2.491441	2.3	1.014
400	0.167294	2.473263	2.2	1.013
500	0.168399	2.458209	2.2	1.012

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
7	0.013607	237.3223956	854.2	1.991
1	0.041286	19.643490	68.9	1.391
2	0.065437	9.1337601	25.8	1.233
3	0.084679	6.330589	15.0	1.163
4	0.099951	5.104558	10.6	1.123
5	0.112236	4.430368	8.2	1.099
6	0.122282	4.007145	6.8	1.082
7	0.130628	3.717765	5.9	1.070
8	0.137661	3.507776	5.3	1.061
9	0.143666	3.348598	4.8	1.054
10	0.149333	3.23469	4.4	1.044
11	0.153353	3.151987	4.1	1.037
12	0.156766	3.0863129	3.8	1.032
13	0.159595	3.03135	3.5	1.029
14	0.161755	2.97154	3.3	1.026
15	0.163313	2.915445	3.1	1.021
16	0.164405	2.863333	2.9	1.013
17	0.165201	2.815298	2.7	1.016
18	0.165727	2.7707097	2.5	1.014
19	0.166011	2.7294418	2.4	1.013
20	0.166199	2.691597	2.3	1.012
21	0.166294	2.656739	2.2	1.011

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
3	0.016980	239.446748	348.9	1.992
1	0.048733	19.659443	69.4	1.393
2	0.076083	9.092454	26.0	1.235
3	0.097759	6.272335	16.1	1.164
4	0.114992	5.041784	10.6	1.125
5	0.128871	4.364817	8.2	1.100
6	0.140246	3.939757	6.8	1.083
7	0.149717	3.649027	5.9	1.070
8	0.157715	3.437981	5.3	1.061
9	0.164553	3.277940	4.8	1.054
10	0.170622	3.151465	4.4	1.044
11	0.175622	3.051465	4.1	1.037
12	0.180188	2.978967	3.8	1.032
13	0.184188	2.919308	3.5	1.028
14	0.187657	2.866660	3.3	1.025
15	0.190657	2.819336	3.1	1.020
16	0.193187	2.776547	2.9	1.017
17	0.195302	2.737993	2.7	1.015
18	0.197002	2.703389	2.5	1.014
19	0.198311	2.672603	2.4	1.012
20	0.199293	2.645390	2.3	1.011
21	0.200006	2.621924	2.2	1.010

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.020012	0.109253	851.8	1.0993
12	0.055286	0.670151	70.1	1.0955
15	0.085245	0.055381	26.3	1.0937
18	0.109012	0.225836	15.2	1.0666
20	0.127914	0.990763	10.7	1.0326
22	0.143177	0.311525	8.3	1.0011
24	0.155714	0.884929	6.9	1.0084
26	0.166175	0.593050	5.9	1.0111
28	0.175027	0.381091	5.2	1.0622
30	0.182609	0.220295	4.7	1.0544
32	0.194915	0.992627	4.1	1.0244
34	0.204466	0.839214	3.6	1.0337
36	0.212092	0.728824	3.3	1.0332
38	0.218320	0.645577	3.1	1.0228
40	0.223500	0.580550	2.9	1.0255
42	0.223330	0.466844	2.6	1.0200
44	0.224033	0.393305	2.4	1.0077
46	0.224533	0.341330	2.3	1.0053
48	0.224929	0.303775	2.2	1.0113
50	0.225243	0.274495	2.1	1.0022
52	0.225499	0.251166	2.0	1.0011
54	0.225711	0.232398	2.0	1.0010
56	0.225891	0.216741	1.9	1.0000

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.022714	0.446256	853.7	1.0994
12	0.060934	0.677554	71.0	1.0966
15	0.093161	0.024484	26.6	1.0239
18	0.118723	0.186907	15.4	1.0667
20	0.139032	0.948528	10.8	1.0227
22	0.155557	0.267387	8.4	1.0022
24	0.169116	0.839482	6.9	1.0084
26	0.180434	0.546608	5.9	1.0072
28	0.190066	0.333847	5.3	1.0622
30	0.198316	0.172393	4.8	1.0555
32	0.211734	0.943645	4.1	1.0444
34	0.222179	0.789402	3.6	1.0337
36	0.230338	0.678343	3.3	1.0322
38	0.237379	0.594542	3.1	1.0228
40	0.243031	0.529047	2.9	1.0255
42	0.253898	0.414439	2.6	1.0016
44	0.261536	0.340248	2.4	1.0144
46	0.267218	0.288279	2.2	1.0113
48	0.271610	0.249835	2.1	1.0011
50	0.275106	0.220241	2.0	1.0010
52	0.277955	0.196754	2.0	1.0010
54	0.280322	0.177659	2.0	1.0010
56	0.282320	0.161927	1.9	1.0000

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.027255	244.463406	377.00	1.9955
1	0.070189	19.687168	72.89	1.399
2	0.106078	8.976078	27.3	1.241
3	0.134567	6.126273	15.8	1.169
4	0.157323	4.882753	11.0	1.129
5	0.175816	4.158390	8.5	1.104
6	0.191091	3.768555	7.0	1.086
7	0.203911	3.474034	6.0	1.073
8	0.214818	3.259928	5.3	1.064
9	0.224208	3.097327	4.8	1.056
10	0.233547	2.866744	4.4	1.045
11	0.241548	2.711047	4.1	1.038
12	0.248195	2.598803	3.9	1.032
13	0.253911	2.514014	3.7	1.028
14	0.258837	2.447680	3.5	1.025
15	0.263141	2.393432	3.4	1.020
16	0.266911	2.350043	3.3	1.016
17	0.270343	2.253155	3.2	1.014
18	0.273432	2.163988	3.1	1.012
19	0.276176	2.133807	3.0	1.011
20	0.278574	2.109835	2.9	1.010
21	0.280619	2.090331	2.9	1.009
22	0.282396	2.074152	2.9	1.009

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.030875	245.912609	896.3	1.996
1	0.077403	19.692721	74.5	1.401
2	0.116112	8.939998	27.9	1.243
3	0.146882	6.081302	16.7	1.171
4	0.171338	4.833964	11.2	1.131
5	0.191630	4.147481	8.7	1.105
6	0.208287	3.715781	7.4	1.087
7	0.222309	3.419946	6.4	1.074
8	0.234275	3.204749	5.4	1.065
9	0.244605	3.041215	4.9	1.057
10	0.253411	2.809095	4.4	1.046
11	0.261541	2.652167	4.1	1.038
12	0.268590	2.538908	3.9	1.033
13	0.274441	2.453261	3.7	1.028
14	0.279441	2.386194	3.5	1.025
15	0.283590	2.268499	3.4	1.020
16	0.286875	2.192037	3.3	1.016
17	0.290180	2.138321	3.2	1.014
18	0.293444	2.098495	3.1	1.012
19	0.296677	2.067777	3.0	1.011
20	0.299831	2.043358	2.9	1.010
21	0.302942	2.023478	2.9	1.009
22	0.305974	2.006975	2.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.033805	247.004101	914.3	1.997
2	0.083156	19.696232	76.1	1.402
3	0.124102	8.912126	28.4	1.245
4	0.156699	6.046659	16.4	1.173
5	0.182885	4.796336	11.4	1.133
6	0.204285	4.108039	8.8	1.107
7	0.222076	3.674995	7.3	1.089
8	0.237093	3.378084	6.2	1.076
9	0.249939	3.161984	5.5	1.066
10	0.261056	2.997668	4.9	1.058
12	0.279340	2.764247	4.2	1.047
14	0.293753	2.606264	3.7	1.039
16	0.305441	2.492124	3.3	1.033
18	0.315094	2.405720	3.1	1.029
20	0.323210	2.339018	2.9	1.025
25	0.338799	2.219037	2.5	1.020
30	0.349971	2.141612	2.3	1.016
35	0.358376	2.087148	2.2	1.014
40	0.364932	2.046721	2.1	1.012
45	0.370190	2.015511	2.0	1.011
50	0.374502	1.990681	1.9	1.009
55	0.378102	1.970451	1.9	1.009
60	0.381154	1.953650	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.036215	247.855764	930.7	1.997
2	0.087840	19.698550	77.4	1.403
3	0.130601	8.889971	23.9	1.246
4	0.164693	6.019173	16.7	1.174
5	0.192141	4.766495	11.6	1.134
6	0.214627	4.076688	9.0	1.108
7	0.233364	3.642534	7.4	1.090
8	0.249217	3.344725	6.3	1.077
9	0.262807	3.127864	5.6	1.067
10	0.274592	2.962885	5.0	1.059
12	0.294023	2.728347	4.2	1.047
14	0.309412	2.569450	3.7	1.039
16	0.321903	2.454541	3.3	1.034
18	0.332255	2.367489	3.1	1.029
20	0.340980	2.299206	2.9	1.026
25	0.357793	2.179078	2.5	1.020
30	0.369890	2.100785	2.3	1.016
35	0.379020	2.045640	2.2	1.014
40	0.386160	2.004664	2.1	1.012
45	0.391899	1.973002	2.0	1.010
50	0.396614	1.947793	1.9	1.009
55	0.400556	1.927241	1.9	1.009
60	0.403903	1.910162	1.8	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.0382227	24 8.538819	94 5.3	1.598
21	2 0.0917222	19 8.700249	78 6.6	1.404
22	3 0.135986	8 8.871950	29 6.4	1.247
23	4 0.1713322	5 9.996840	16 6.3	1.176
24	5 0.1998228	4 7.422219	11 6.8	1.135
25	6 0.2232299	4 0.51173	9 7.1	1.109
26	7 0.2427699	3 6.16087	7 7.5	1.091
27	8 0.2593333	3 3.17517	6 6.4	1.078
28	9 0.2735619	3 3.100005	5 5.6	1.067
29	10 0.285919	2 9.34455	5 5.1	1.060
30	11 0.306351	2 6.98950	4 4.3	1.048
31	12 0.322570	2 5.39254	3 3.8	1.040
32	13 0.335773	2 4.23668	3 3.4	1.034
33	14 0.346742	2 3.36033	3 3.1	1.030
34	15 0.356005	2 2.6724	2 2.9	1.026
35	16 0.373907	2 1.46084	2 2.6	1.020
36	17 0.386836	2 0.67005	2 2.3	1.016
37	18 0.396623	2 0.11239	2 2.2	1.014
38	19 0.404294	1 9.69761	2 2.1	1.012
39	20 0.410473	1 9.937682	2 2.0	1.010
40	21 0.415557	1 9.12122	1 1.9	1.009
41	22 0.419814	1 8.91271	1 1.8	1.008
42	23 0.423433	1 8.73934	1 1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.042039	24 9.772205	97 5.3	1.598
26	2 0.099017	19 9.702747	81 6.0	1.406
27	3 0.146103	8 8.838858	30 6.2	1.249
28	4 0.163799	5 9.553975	17 6.4	1.178
29	5 0.214325	4 6.697642	12 6.1	1.137
30	6 0.239486	4 0.004256	9 6.1	1.111
31	7 0.260582	3 5.67382	7 7.7	1.093
32	8 0.278536	3 2.67333	6 6.5	1.079
33	9 0.294014	3 3.048544	5 5.8	1.069
34	10 0.307507	2 8.81866	5 5.2	1.061
35	11 0.329921	2 6.44426	4 4.4	1.049
36	12 0.347815	2 4.83112	3 3.8	1.041
37	13 0.362469	2 3.66143	3 3.5	1.035
38	14 0.374696	2 2.77306	3 3.2	1.031
39	15 0.385067	2 2.07458	3 3.0	1.027
40	16 0.405237	2 0.84140	2 2.6	1.021
41	17 0.419918	2 0.00392	2 2.4	1.017
42	18 0.431101	1 9.946292	2 2.2	1.014
43	19 0.439914	1 9.03724	2 2.1	1.012
44	20 0.447042	1 8.70736	2 2.0	1.011
45	21 0.452930	1 8.44406	1 1.9	1.009
46	22 0.457877	1 8.22895	1 1.8	1.008
47	23 0.462093	1 8.04985	1 1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.0447119	25 0.597259	99 8.0	1.999
2	0.1041106	19.704079	82.8	1.407
3	0.153161	8.816336	30.9	1.251
4	0.192518	5.928017	17.8	1.179
5	0.224481	4.667290	12.4	1.139
6	0.250906	3.972254	9.5	1.112
7	0.273127	3.534101	7.3	1.094
8	0.292094	3.232979	6.7	1.081
9	0.308490	3.013254	5.9	1.071
10	0.322820	2.845740	5.3	1.062
11	0.334671	2.606851	4.4	1.050
12	0.346587	2.444309	3.9	1.042
13	0.358163	2.326277	3.5	1.036
14	0.369482	2.236508	3.2	1.031
15	0.380603	2.165832	3.0	1.028
16	0.391827	2.104801	2.6	1.021
17	0.403057	2.053706	2.4	1.017
18	0.414280	2.000518	2.2	1.014
19	0.425501	1.957049	2.0	1.012
20	0.436719	1.823304	1.9	1.011
21	0.447932	1.796328	1.8	1.010
22	0.459143	1.774258	1.8	1.009
23	0.470353	1.755861	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.046701	25 1.187966	10 5.8	1.999
2	0.107852	19.704875	34.2	1.408
3	0.158350	8.800027	11.4	1.252
4	0.198951	5.907851	8.1	1.181
5	0.231937	4.645296	6.6	1.140
6	0.259352	3.949035	5.7	1.114
7	0.282435	3.509920	7.9	1.095
8	0.302171	3.207984	6.8	1.082
9	0.319269	2.987544	6.0	1.073
10	0.334244	2.819386	5.4	1.063
11	0.345928	2.579371	4.5	1.051
12	0.355938	2.415865	4.0	1.043
13	0.365437	2.296992	3.6	1.037
14	0.374402	2.206479	3.3	1.032
15	0.382940	2.135139	3.0	1.028
16	0.391194	2.003716	2.7	1.022
17	0.400023	1.925513	2.4	1.018
18	0.408331	1.866420	2.2	1.015
19	0.416199	1.822195	2.0	1.013
20	0.423588	1.787810	1.9	1.010
21	0.430499	1.760284	1.8	1.009
22	0.436958	1.737735	1.8	1.009
23	0.442989	1.718918	1.8	1.008

CONFIDENCE LEVEL=.95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
40	0.048226	0.631757	0.2955	0.000
30	0.110724	0.705391	0.3533	0.409
20	0.162346	0.787676	0.4188	0.253
15	0.203889	0.892580	0.4833	0.182
10	0.237758	0.628627	0.5271	0.141
8	0.265873	0.534330	0.5888	0.115
6	0.289612	0.491536	0.6000	0.096
5	0.309954	0.488981	0.6399	0.083
4	0.327607	0.967976	0.6500	0.072
3	0.343092	0.799307	0.5544	0.064
2	0.365042	0.558394	0.4666	0.052
1	0.389994	0.339411	0.4000	0.044
0	0.407315	0.274556	0.3666	0.037
0	0.421905	0.183436	0.3333	0.033
0	0.434383	0.111552	0.3111	0.029
0	0.458961	0.983976	0.2777	0.021
0	0.477137	0.899846	0.2444	0.018
0	0.491171	0.839988	0.2222	0.015
0	0.502354	0.795121	0.2000	0.011
0	0.511490	0.760186	0.1818	0.009
0	0.519099	0.732185	0.1666	0.008
0	0.525540	0.709232	0.1538	0.008
0	0.531065	0.690039	0.1429	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2 / A-1	REDUCTION
45	0.049435	0.977381	0.4141	0.000
35	0.112994	0.705745	0.4866	0.410
25	0.165499	0.778000	0.5522	0.254
15	0.207799	0.880617	0.6155	0.183
10	0.242332	0.615559	0.6833	0.144
8	0.271041	0.917599	0.7500	0.115
6	0.295315	0.477135	0.8000	0.097
5	0.316146	0.174046	0.8571	0.083
4	0.334247	0.952383	0.9000	0.073
3	0.350147	0.783500	0.7500	0.066
2	0.376842	0.541885	0.6666	0.053
1	0.398446	0.376931	0.6000	0.044
0	0.416345	0.256813	0.5555	0.038
0	0.433453	0.165548	0.5000	0.033
0	0.444399	0.092848	0.4545	0.029
0	0.469971	0.964303	0.4111	0.022
0	0.488954	0.879386	0.3777	0.018
0	0.503658	0.818873	0.3444	0.015
0	0.515408	0.733452	0.3111	0.011
0	0.525030	0.738041	0.2857	0.009
0	0.533062	0.709626	0.2666	0.008
0	0.539873	0.686300	0.2500	0.008
0	0.545726	0.666795	0.2353	0.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1	252	105	2
1	0.050416	0.254168	1.00	0.000
2	0.114834	0.706000	0.69	0.410
3	0.168055	0.770215	0.47	0.254
4	0.210971	0.870991	0.32	0.133
5	0.246047	0.605040	0.22	0.084
6	0.275241	0.906466	0.16	0.065
7	0.299956	0.465510	0.11	0.053
8	0.321133	0.161998	0.08	0.045
9	0.339661	0.640157	0.06	0.038
10	0.355904	0.770730	0.05	0.034
11	0.383217	0.528471	0.04	0.030
12	0.405366	0.363017	0.04	0.025
13	0.423731	0.242424	0.03	0.023
14	0.439295	0.150373	0.03	0.020
15	0.452637	0.077648	0.03	0.019
16	0.479054	0.948277	0.02	0.018
17	0.498730	0.862683	0.02	0.017
18	0.514011	0.801604	0.02	0.016
19	0.526253	0.755699	0.02	0.015
20	0.536304	0.719872	0.02	0.014
25	0.544704	0.691093	0.01	0.013
30	0.553184	0.667446	0.01	0.012
40	0.557985	0.647656	0.01	0.011
50	0.561995		0.01	0.010
60	0.566339		0.01	0.009

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1	252	105	2
1	0.053423	0.430820	0.90	0.000
2	0.116351	0.706190	0.75	0.410
3	0.170169	0.763817	0.60	0.255
4	0.219936	0.863030	0.48	0.133
5	0.264933	0.596390	0.33	0.084
6	0.307372	0.897307	0.22	0.065
7	0.340380	0.455940	0.16	0.053
8	0.372537	0.152074	0.11	0.045
9	0.394415	0.929916	0.08	0.038
10	0.416069	0.760200	0.06	0.034
11	0.438352	0.517424	0.05	0.030
12	0.461113	0.351517	0.04	0.025
13	0.484993	0.230520	0.04	0.023
14	0.509532	0.138105	0.03	0.020
15	0.534678	0.065048	0.03	0.019
16	0.550654	0.934964	0.02	0.018
17	0.562274	0.848782	0.02	0.017
18	0.573545	0.787208	0.02	0.016
19	0.584583	0.740879	0.02	0.015
20	0.595456	0.704684	0.02	0.014
25	0.606199	0.675582	0.01	0.013
30	0.616839	0.651650	0.01	0.012
40	0.626397	0.631605	0.01	0.011
50	0.635895		0.01	0.010
60	0.645339		0.01	0.009

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.05191	0.66982	1065.8	2.000
50	0.05176	0.70633	865.8	1.413
40	0.05171	0.75846	682.8	1.255
30	0.05158	0.81646	538.8	1.143
20	0.05171	0.88963	430.8	1.068
10	0.05287	0.94792	360.8	1.038
5	0.05328	0.9757	317.1	1.035
2	0.05479	0.92330	266.3	1.075
1	0.05647	0.75136	196.3	1.066
0.5	0.05930	0.50814	144.7	1.054
0.2	0.06160	0.34152	117.7	1.046
0.1	0.06351	0.22050	94.4	1.039
0.05	0.06514	0.12776	77.7	1.034
0.02	0.06653	0.05432	60.2	1.030
0.01	0.06770	0.02726	50.2	1.024
0.005	0.06802	0.01501	44.3	1.019
0.002	0.06832	0.00718	39.1	1.014
0.001	0.06840	0.00391	34.0	1.012
0.0005	0.06850	0.00240	30.1	1.010
0.0002	0.06857	0.00159	26.1	1.009
0.0001	0.06861	0.00099	23.9	1.008

CONFIDENCE LEVEL = .95
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	7.789011	*	2.0000
2	0.0	8.506329	*	2.4255
3	0.0	8.774434	*	2.8877
4	0.0	8.921786	*	3.3000
5	0.0	9.006982	*	3.6999
6	0.0	9.081310	*	4.0811
7	0.0	9.147266	*	4.4559
8	0.0	9.207088	*	4.8222
9	0.0	9.262883	*	5.1811
10	0.0	9.315728	*	5.5333
12	0.0	9.365376	*	5.8777
14	0.0	9.412939	*	6.2144
16	0.0	9.458511	*	6.5440
18	0.0	9.502252	*	6.8666
20	0.0	9.544294	*	7.1811
25	0.0	9.686366	*	7.7222
30	0.0	9.867535	*	8.2000
35	0.0	10.084320	*	8.6111
40	0.0	10.323937	*	9.0000
45	0.0	10.577254	*	9.3555
50	0.0	10.840323	*	9.6888
55	0.0	11.110379	*	10.0000
60	0.0	11.385611	*	10.3111

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	2.000000	799.512483	123.204.1	2.0000
3	0.000000	399.024345	64.3.0	2.4255
4	0.000000	6.078230	64.2.6	2.8877
5	0.000000	8.690764	52.6.6	3.3000
6	0.000000	8.481039	49.1.9	3.6999
7	0.000000	7.311749	46.5.6	4.0811
8	0.000000	6.596958	43.1.4	4.4559
9	0.000000	6.117765	42.3.3	4.8222
10	0.000000	5.775332	40.7.0	5.1811
12	0.000000	5.519001	33.0.0	5.5333
14	0.000000	5.161547	27.7.7	5.8777
16	0.000000	4.924675	24.5.5	6.2144
18	0.000000	4.756419	22.3.3	6.5440
20	0.000000	4.630840	20.7.7	6.8666
25	0.000000	4.533573	19.6.6	7.1811
30	0.000000	4.457940	17.6.4	7.5000
35	0.000000	4.393420	16.4.2	7.8111
40	0.000000	4.337008	15.0.0	8.1111
45	0.000000	4.286839	14.6.6	8.4000
50	0.000000	4.243767	14.2.2	8.6888
55	0.000000	4.206935	14.0.0	8.9777
60	0.000000	4.174855	13.7.7	9.2666

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000129	0.3222669	7780.9	1.9995
1	0.001419	0.3222669	254.5	1.9996
2	0.003449	0.3222669	72.2	1.9997
3	0.005510	0.3222669	37.0	1.9998
4	0.007361	0.3222669	24.4	1.9999
5	0.008960	0.3222669	18.3	1.9999
6	0.010326	0.3222669	14.8	1.9999
7	0.011496	0.3222669	12.7	1.9999
8	0.012501	0.3222669	11.0	1.9999
9	0.013371	0.3222669	9.8	1.9999
10	0.014797	0.3222669	8.6	1.9999
11	0.015911	0.3222669	7.7	1.9999
12	0.016803	0.3222669	7.1	1.9999
14	0.017532	0.3222669	6.6	1.9999
16	0.018133	0.3222669	6.3	1.9999
18	0.018633	0.3222669	6.0	1.9999
20	0.019283	0.3222669	5.7	1.9999
25	0.020086	0.3222669	5.3	1.9999
30	0.020630	0.3222669	5.1	1.9999
35	0.021137	0.3222669	4.9	1.9999
40	0.021499	0.3222669	4.8	1.9999
45	0.021799	0.3222669	4.7	1.9999
50	0.022037	0.3222669	4.6	1.9999
55	0.022242	0.3222669	4.5	1.9999
60	0.022422	0.3222669	4.5	1.9999

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.001071	0.0753862	3654.9	1.9994
1	0.006329	0.3222669	159.0	1.9994
2	0.012436	0.3222669	49.0	1.9994
3	0.017998	0.3222669	26.0	1.9994
4	0.022634	0.3222669	17.7	1.9994
5	0.026435	0.3222669	13.2	1.9994
6	0.029696	0.3222669	10.7	1.9994
7	0.032395	0.3222669	9.2	1.9994
8	0.034638	0.3222669	8.1	1.9994
9	0.036654	0.3222669	7.3	1.9994
10	0.038433	0.3222669	6.6	1.9994
11	0.042310	0.3222669	5.6	1.9994
12	0.044271	0.3222669	5.1	1.9994
14	0.045867	0.3222669	4.8	1.9994
16	0.047188	0.3222669	4.5	1.9994
18	0.049674	0.3222669	4.3	1.9994
20	0.051410	0.3222669	4.1	1.9994
25	0.052690	0.3222669	3.8	1.9994
30	0.053672	0.3222669	3.6	1.9994
35	0.054430	0.3222669	3.5	1.9994
40	0.055081	0.3222669	3.4	1.9994
45	0.055603	0.3222669	3.3	1.9994
50	0.056042	0.3222669	3.2	1.9994
55	0.056422	0.3222669	3.2	1.9994
60	0.056642	0.3222669	3.2	1.9994

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0033011	922.523730	2733.8	1.995
1	0.0133259	39.595455	134.6	1.395
2	0.023792	15.130962	42.8	1.236
3	0.032768	9.593213	22.9	1.165
4	0.040145	7.366626	15.4	1.126
5	0.046198	6.202724	11.7	1.101
6	0.051208	5.496942	9.5	1.085
7	0.055404	5.026435	8.1	1.072
8	0.058957	4.691587	7.4	1.064
9	0.061999	4.441654	6.4	1.057
10	0.066926	4.094225	5.5	1.047
11	0.070734	3.864668	4.9	1.041
12	0.073752	3.701917	4.4	1.036
13	0.076224	3.580603	4.1	1.032
14	0.078264	3.486727	3.8	1.030
15	0.082003	3.324537	3.5	1.035
16	0.084765	3.221039	3.3	1.032
17	0.086764	3.149276	3.1	1.030
18	0.088284	3.096603	3.0	1.028
19	0.089488	3.056301	2.9	1.027
20	0.090464	3.024469	2.8	1.026
21	0.091273	3.000932	2.8	1.025
22	0.091953	2.977393	2.7	1.025

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.005512	937.890446	2406.3	1.995
1	0.020582	39.643652	126.1	1.396
2	0.033061	14.990342	40.7	1.237
3	0.047145	9.431451	21.9	1.165
4	0.056945	7.201069	14.7	1.126
5	0.064974	6.036344	11.1	1.101
6	0.071611	5.330854	9.0	1.084
7	0.077167	4.860585	7.7	1.072
8	0.081874	4.525973	6.7	1.063
9	0.085907	4.276239	6.0	1.056
10	0.089247	3.929091	5.5	1.046
11	0.092511	3.699697	4.9	1.039
12	0.101543	3.537036	4.1	1.034
13	0.104827	3.415766	3.8	1.030
14	0.107533	3.331906	3.6	1.028
15	0.111268	3.159697	3.3	1.023
16	0.114894	3.056145	3.0	1.020
17	0.118947	2.984323	2.8	1.018
18	0.122099	2.931591	2.7	1.016
19	0.125226	2.899232	2.6	1.015
20	0.128393	2.885955	2.5	1.014
21	0.132502	2.883330	2.5	1.013
22	0.135939	2.812192	2.4	1.013

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.008184	9.052920	2269.3	1.996
1	0.027534	9.679993	123.2	1.397
2	0.045426	4.881883	40.0	1.238
3	0.060161	9.307871	21.5	1.166
4	0.072116	7.074731	14.4	1.126
5	0.081884	5.909670	10.9	1.101
6	0.089964	5.203935	8.8	1.084
7	0.096736	4.733719	7.5	1.072
8	0.102483	4.399160	6.5	1.062
9	0.107413	4.149459	5.9	1.055
10	0.111545	3.802311	5.0	1.045
11	0.114646	3.572860	4.4	1.038
12	0.116611	3.410113	4.0	1.033
13	0.117306	3.288745	3.7	1.029
14	0.117403	3.194785	3.4	1.027
15	0.116996	3.122336	3.1	1.022
16	0.115486	3.055578	2.8	1.018
17	0.113481	2.985658	2.7	1.016
18	0.110730	2.803705	2.5	1.015
19	0.107555	2.763224	2.5	1.014
20	0.103402	2.731238	2.4	1.013
25	0.095576	2.705328	2.3	1.012
30	0.08917	2.683911	2.3	1.011

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.010797	9.521529	2212.5	1.996
1	0.033855	9.699437	122.5	1.399
2	0.054672	4.795893	39.9	1.239
3	0.071714	9.210536	21.4	1.168
4	0.085526	6.975276	14.4	1.127
5	0.096820	5.809730	10.9	1.102
6	0.106177	5.103864	8.7	1.085
7	0.114034	4.633588	7.4	1.072
8	0.120712	4.298974	6.5	1.063
9	0.126453	4.049204	5.8	1.055
10	0.131803	3.701889	4.9	1.045
11	0.143084	3.472251	4.3	1.038
12	0.148911	3.309314	3.9	1.033
13	0.153676	3.187764	3.6	1.029
14	0.157643	3.093634	3.4	1.026
15	0.165164	2.930815	3.0	1.021
16	0.170461	2.826758	2.7	1.018
17	0.174395	2.754522	2.6	1.015
18	0.177430	2.701446	2.5	1.014
19	0.179843	2.660800	2.4	1.013
20	0.181807	2.628675	2.3	1.012
25	0.183437	2.602646	2.2	1.011
30	0.184812	2.581127	2.2	1.011

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.013251	0.163642	2.193.0	1.996
1	0.039501	0.712037	2.123.0	1.400
2	0.062833	1.472618	1.40.1	1.241
3	0.081872	0.913198	2.1.6	1.169
4	0.097306	0.689502	1.4.4	1.128
5	0.109945	0.572902	1.0.3	1.100
6	0.120434	0.502297	8.7	1.085
7	0.129259	0.455257	7.4	1.073
8	0.136774	0.421783	6.5	1.063
9	0.143246	0.396793	5.3	1.056
10	0.153813	0.362035	4.3	1.045
11	0.162066	0.339044	4.2	1.038
12	0.168687	0.322726	3.3	1.032
13	0.174114	0.310548	3.3	1.025
14	0.178642	0.301137	3.3	1.026
15	0.187242	0.284787	3.3	1.020
16	0.193321	0.274346	2.7	1.017
17	0.197845	0.267094	2.5	1.015
18	0.201342	0.261763	2.4	1.013
19	0.204127	0.257679	2.3	1.012
20	0.206396	0.254451	2.3	1.011
21	0.208231	0.251834	2.2	1.010
22	0.209871	0.249671	2.1	1.010

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.015509	0.511422	2.192.8	1.997
1	0.044513	0.720503	2.124.0	1.401
2	0.070022	0.668600	1.40.5	1.242
3	0.090801	0.667304	2.1.7	1.170
4	0.107659	0.628935	1.4.5	1.299
5	0.121487	0.662313	1.0.5	1.104
6	0.132935	0.556250	8.8	1.086
7	0.142676	0.485676	7.4	1.073
8	0.150946	0.415077	6.5	1.063
9	0.158079	0.390071	5.3	1.056
10	0.169754	0.353286	4.3	1.045
11	0.178899	0.323593	4.2	1.038
12	0.186252	0.315912	3.3	1.032
13	0.192293	0.303707	3.3	1.025
14	0.197342	0.294250	3.3	1.026
15	0.206937	0.278743	3.3	1.020
16	0.213773	0.673949	2.7	1.017
17	0.218856	0.601123	2.5	1.015
18	0.222794	0.547568	2.4	1.013
19	0.225933	0.506526	2.3	1.012
20	0.228494	0.474069	2.3	1.011
21	0.230624	0.447756	2.2	1.010
22	0.232423	0.425994	2.1	1.009

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.019429	977.588775	2219.0	1.597
13	0.052917	39.7330513	126.6	1.403
14	0.081985	14.579197	41.3	1.244
15	0.105640	8.967184	22.2	1.172
16	0.124876	5.726586	14.8	1.131
17	0.140706	3.559391	11.1	1.105
18	0.153918	4.852662	8.9	1.087
19	0.165093	4.381690	7.5	1.074
20	0.174661	4.046405	6.5	1.065
21	0.182943	3.795967	5.8	1.057
22	0.196554	3.447332	4.8	1.046
23	0.207272	3.216444	4.2	1.038
24	0.215929	3.052357	3.8	1.033
25	0.223068	2.929762	3.5	1.029
26	0.229037	2.834687	3.2	1.025
27	0.234051	2.766989	3.0	1.020
28	0.238682	2.716429	2.8	1.016
29	0.242801	2.679082	2.6	1.014
30	0.246486	2.649892	2.5	1.013
35	0.255956	2.436745	2.3	1.011
40	0.263358	2.395272	2.2	1.010
45	0.266457	2.366245	2.1	1.009
50	0.269058	2.333583	2.0	1.009
60	0.271249	2.313803	2.0	1.009

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.022653	98.3993587	2258.0	1.598
15	0.059611	39.7335723	123.4	1.404
16	0.091436	14.5133114	42.5	1.246
17	0.117383	8.893362	23.5	1.174
18	0.133317	5.651039	14.5	1.133
19	0.153964	3.483180	11.3	1.107
20	0.170572	4.775984	9.0	1.089
21	0.182967	4.304595	7.6	1.075
22	0.193612	3.968907	6.6	1.066
23	0.202851	3.718077	5.9	1.058
24	0.218094	3.368697	4.9	1.046
25	0.230152	3.137125	4.3	1.039
26	0.239931	2.972422	3.8	1.033
27	0.248033	2.843273	3.5	1.029
28	0.254832	2.733701	3.2	1.026
29	0.267924	2.587872	3.0	1.020
30	0.277239	2.481462	2.8	1.016
35	0.284340	2.407349	2.6	1.014
40	0.289838	2.352748	2.5	1.012
45	0.294245	2.310839	2.4	1.011
50	0.297857	2.277653	2.3	1.010
55	0.300871	2.250730	2.2	1.009
60	0.303423	2.228423	2.1	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.025316	987.777720	2299.0	1.998
1	0.065028	39.738601	131.9	1.405
2	0.099097	14.462344	143.1	1.247
3	0.126858	8.836724	23.0	1.175
4	0.149542	6.593062	11.3	1.134
5	0.168318	5.424581	5.5	1.108
6	0.184083	4.716943	4.4	1.090
7	0.197497	4.245150	3.9	1.077
8	0.209047	3.909073	3.7	1.066
9	0.219096	3.657865	6.0	1.059
10	0.223572	3.477769	4.9	1.047
11	0.224894	3.307345	4.3	1.039
12	0.225969	3.191035	3.8	1.034
13	0.226861	3.103575	3.5	1.029
14	0.227614	3.030528	3.3	1.026
15	0.229066	2.973707	3.2	1.020
16	0.230112	2.924631	3.1	1.016
17	0.230901	2.881784	3.0	1.014
18	0.231519	2.846673	2.9	1.012
19	0.232015	2.818441	2.8	1.011
20	0.232422	2.797988	2.8	1.010
21	0.232763	2.783559	2.7	1.009
22	0.233032	2.766998	2.7	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.027553	991.196534	2338.4	1.998
1	0.069436	39.740250	133.4	1.406
2	0.105372	14.422148	143.1	1.248
3	0.134643	8.791916	23.0	1.176
4	0.158614	6.547140	11.3	1.135
5	0.178501	5.378130	5.5	1.109
6	0.195240	4.670084	4.4	1.091
7	0.209517	4.197914	3.9	1.077
8	0.221836	3.861473	3.7	1.067
9	0.222577	3.609912	6.0	1.059
10	0.223504	3.459149	4.9	1.048
11	0.224619	3.302631	4.3	1.040
12	0.226221	3.160474	3.8	1.034
13	0.227622	3.036302	3.5	1.030
14	0.228587	2.939810	3.3	1.026
15	0.229404	2.864133	3.2	1.020
16	0.309853	2.472056	3.1	1.016
17	0.321284	2.364133	3.0	1.014
18	0.329942	2.288806	2.9	1.012
19	0.336731	2.233210	2.8	1.011
20	0.342198	2.190473	2.8	1.010
21	0.346697	2.156586	2.7	1.009
22	0.350465	2.129053	2.7	1.008
23	0.353666	2.106237	2.7	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.029415	0.039637	2.74.8	0.999
1	0.073211	0.074121	23.74.8	0.407
2	0.110608	0.113895	13.6.4	0.249
3	0.144147	0.150935	44.5	0.177
4	0.166199	0.175538	23.6.8	0.136
5	0.187029	0.198408	13.1.8	0.110
6	0.204593	0.215991	11.8	0.092
7	0.219612	0.225947	9.9.4	0.078
8	0.232259	0.238226	7.9	0.068
9	0.243363	0.250933	6.9	0.060
10	0.252934	0.262194	6.4	0.048
11	0.261006	0.272060	5.0	0.040
12	0.267789	0.280609	4.4	0.034
13	0.273502	0.288356	3.9	0.030
14	0.278245	0.295566	3.6	0.026
15	0.282028	0.302333	3.4	0.022
16	0.284951	0.308777	3.2	0.019
17	0.287014	0.314998	3.0	0.017
18	0.288317	0.321086	2.9	0.016
19	0.288860	0.327047	2.8	0.015
20	0.289643	0.332883	2.7	0.014

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.033020	0.038912	2.43.9	0.999
1	0.080033	0.087432	23.2.9	0.407
2	0.115034	0.123988	14.0.9	0.249
3	0.148006	0.158144	44.5	0.177
4	0.178032	0.188200	23.6.8	0.136
5	0.203324	0.214277	13.1.8	0.110
6	0.223389	0.235366	11.8	0.092
7	0.238333	0.250378	9.9.4	0.078
8	0.253333	0.265396	7.9	0.068
9	0.266373	0.279428	6.9	0.060
10	0.278667	0.292460	6.4	0.048
11	0.289333	0.304597	5.0	0.040
12	0.298667	0.315833	4.4	0.034
13	0.306667	0.326277	3.9	0.030
14	0.313333	0.335933	3.6	0.026
15	0.318667	0.344800	3.4	0.022
16	0.322667	0.352967	3.2	0.019
17	0.325667	0.360433	3.0	0.017
18	0.327667	0.367200	2.9	0.016
19	0.328667	0.373367	2.8	0.015
20	0.329667	0.378933	2.7	0.014

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0335580	0.211782	2.513.2	1.599
1	0.085253	0.742277	1.44.0	1.409
2	0.127516	1.289445	1.46.9	1.252
3	0.162183	1.644084	1.48.1	1.180
4	0.190810	1.895325	1.50.6	1.140
5	0.214786	2.124169	1.52.4	1.113
6	0.235156	2.324356	1.54.9	1.095
7	0.253688	2.504051	1.57.3	1.081
8	0.269795	2.670245	1.59.2	1.071
9	0.284136	2.824931	1.61.4	1.063
10	0.297990	2.969568	1.63.3	1.057
11	0.311336	3.109998	1.65.6	1.053
12	0.324171	3.246666	1.67.7	1.050
13	0.336598	3.379997	1.69.4	1.047
14	0.348619	3.509991	1.71.9	1.044
15	0.360233	3.636669	1.74.2	1.042
16	0.371541	3.760000	1.76.4	1.041
17	0.382544	3.880000	1.78.7	1.040
18	0.393251	3.996669	1.81.1	1.039
19	0.403673	4.110000	1.83.4	1.038
20	0.413812	4.220000	1.85.7	1.037
21	0.423671	4.326669	1.88.1	1.036
22	0.433255	4.430000	1.90.4	1.035
23	0.442571	4.530000	1.92.7	1.034
24	0.451625	4.626669	1.95.1	1.033
25	0.460423	4.720000	1.97.4	1.032
26	0.468971	4.810000	1.99.7	1.031
27	0.477275	4.900000	2.02.1	1.030
28	0.485339	5.000000	2.04.4	1.029
29	0.493168	5.100000	2.06.7	1.028
30	0.443751	1.913568	1.9	1.008

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.037494	0.587044	2.561.4	2.000
1	0.088941	0.742113	1.46.6	1.410
2	0.132691	1.260121	1.48.3	1.253
3	0.168635	1.611527	1.50.5	1.184
4	0.198933	1.861815	1.52.9	1.144
5	0.223356	2.100092	1.55.6	1.114
6	0.244623	2.327899	1.58.0	1.096
7	0.262971	2.547991	1.60.5	1.082
8	0.278979	2.766695	1.63.3	1.072
9	0.293083	2.983372	1.66.5	1.064
10	0.306837	3.198772	1.69.4	1.057
11	0.320361	3.413312	1.72.7	1.052
12	0.333610	3.626661	1.75.4	1.047
13	0.346564	3.836661	1.78.7	1.042
14	0.359219	4.042711	1.81.5	1.037
15	0.371690	4.245369	1.84.5	1.032
16	0.383903	4.444004	1.87.0	1.028
17	0.395870	4.638004	1.90.6	1.023
18	0.407605	4.828004	1.93.4	1.019
19	0.419102	5.014004	1.96.3	1.015
20	0.430353	5.196004	1.99.3	1.011
21	0.441360	5.374004	2.02.1	1.007
22	0.452121	5.548004	2.05.1	1.003
23	0.462642	5.718004	2.08.0	1.000
24	0.472921	5.884004	2.11.0	1.000
25	0.482955	6.046004	2.14.0	1.000
26	0.492741	6.204004	2.17.0	1.000
27	0.502275	6.358004	2.20.0	1.000
28	0.511555	6.508004	2.23.0	1.000
29	0.520575	6.654004	2.26.0	1.000
30	0.529335	6.796004	2.29.0	1.000
31	0.537835	6.934004	2.32.0	1.000
32	0.546075	7.068004	2.35.0	1.000
33	0.554055	7.198004	2.38.0	1.000
34	0.561775	7.324004	2.41.0	1.000
35	0.569235	7.446004	2.44.0	1.000
36	0.576435	7.564004	2.47.0	1.000
37	0.583375	7.678004	2.50.0	1.000
38	0.590055	7.788004	2.53.0	1.000
39	0.596475	7.894004	2.56.0	1.000
40	0.602635	7.996004	2.59.0	1.000
41	0.608535	8.094004	2.62.0	1.000
42	0.614175	8.188004	2.65.0	1.000
43	0.619555	8.278004	2.68.0	1.000
44	0.624675	8.364004	2.71.0	1.000
45	0.629535	8.446004	2.74.0	1.000
46	0.634135	8.524004	2.77.0	1.000
47	0.638475	8.600004	2.80.0	1.000
48	0.642555	8.672004	2.83.0	1.000
49	0.646375	8.740004	2.86.0	1.000
50	0.649935	8.804004	2.89.0	1.000
51	0.653235	8.864004	2.92.0	1.000
52	0.656275	8.920004	2.95.0	1.000
53	0.659055	8.972004	2.98.0	1.000
54	0.661575	9.020004	3.01.0	1.000
55	0.663835	9.064004	3.04.0	1.000
56	0.665835	9.104004	3.07.0	1.000
57	0.667575	9.140004	3.10.0	1.000
58	0.669055	9.172004	3.13.0	1.000
59	0.670275	9.200004	3.16.0	1.000
60	0.671235	9.224004	3.19.0	1.000

CONFIDENCE LEVEL=.975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.038974	1006.571933	2600.4	2.000
1	0.091780	39.741864	148.7	1.410
2	0.136675	14.238126	48.4	1.254
3	0.173608	8.586907	25.5	1.182
4	0.204228	6.336453	17.2	1.141
5	0.229981	5.164275	12.8	1.115
6	0.251954	4.453575	10.2	1.097
7	0.270945	3.978882	8.6	1.083
8	0.287544	3.639984	7.4	1.072
9	0.302194	3.386033	6.6	1.064
10	0.326927	3.030732	5.4	1.052
11	0.347058	2.793720	4.7	1.044
12	0.363809	2.624061	4.2	1.038
13	0.377992	2.496414	3.8	1.033
14	0.390176	2.396756	3.5	1.029
15	0.401431	2.323229	3.0	1.023
16	0.412283	2.268815	2.7	1.018
17	0.422233	2.223980	2.5	1.015
18	0.431737	2.186960	2.3	1.011
19	0.446650	2.152365	2.2	1.011
20	0.474137	2.118870	2.1	1.010
25	0.480606	1.857071	2.0	1.009
30	0.486165	1.832150	1.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.040152	1007.762221	2552.4	2.000
1	0.094032	39.741596	150.4	1.411
2	0.139836	14.220837	49.0	1.254
3	0.177538	8.567638	26.2	1.182
4	0.208875	6.316591	17.4	1.141
5	0.235233	5.144041	13.0	1.116
6	0.257796	4.433013	10.4	1.097
7	0.277308	3.958002	8.7	1.084
8	0.294387	3.618793	7.5	1.073
9	0.309481	3.364537	6.7	1.065
10	0.323501	3.008650	5.5	1.053
11	0.335583	2.771093	4.7	1.044
12	0.347322	2.600929	4.2	1.038
13	0.357973	2.472814	3.8	1.033
14	0.400665	2.372725	3.5	1.029
15	0.425886	2.197253	3.0	1.023
16	0.444737	2.083062	2.7	1.018
17	0.459411	2.002552	2.5	1.015
18	0.471184	1.942604	2.3	1.011
19	0.480853	1.896162	2.2	1.011
20	0.488945	1.855908	2.1	1.010
25	0.495822	1.828769	2.0	1.009
30	0.501741	1.803510	1.9	1.008

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.041111	1008.875737	2639.2	2.000
1	0.095862	39.741338	151.8	2.411
2	0.142404	14.206941	49.5	2.255
3	0.180769	8.552148	26.4	2.183
4	0.212658	6.300615	17.5	2.143
5	0.239551	5.127756	13.1	2.116
6	0.262561	4.416452	10.5	2.098
7	0.282502	3.941175	8.8	2.084
8	0.299978	3.601703	7.6	2.074
9	0.315442	3.347189	6.7	2.066
10	0.334164	3.199080	5.5	2.053
11	0.356306	3.052788	4.8	2.045
12	0.380972	2.91194	4.3	2.039
13	0.396192	2.775368	3.9	2.034
14	0.409315	2.653221	3.6	2.030
15	0.433461	2.536936	3.0	2.029
16	0.455070	2.42062	2.7	2.016
17	0.470379	2.30972	2.5	2.013
18	0.482693	2.20523	2.3	2.012
19	0.492850	2.107364	2.1	2.010
20	0.501331	2.01532	2.0	2.009
21	0.508568	1.927797	1.9	2.008
22	0.514808	1.844771		

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.041907	1009.787649	2681.8	2.000
1	0.097377	39.741098	153.0	2.411
2	0.144532	14.195529	49.8	2.255
3	0.193432	8.533425	26.6	2.184
4	0.215796	6.287486	17.7	2.143
5	0.243119	5.114366	13.2	2.117
6	0.266521	4.402829	10.5	2.098
7	0.286823	3.927324	8.8	2.085
8	0.304653	3.587629	7.6	2.074
9	0.320408	3.332895	6.8	2.066
10	0.347173	3.176092	5.6	2.054
11	0.369100	3.037673	4.8	2.045
12	0.387452	2.91709	4.3	2.039
13	0.403079	2.813785	3.9	2.034
14	0.426572	2.716007	3.6	2.030
15	0.443516	2.633707	3.0	2.029
16	0.463784	2.563006	2.7	2.016
17	0.479649	2.502115	2.5	2.013
18	0.492439	2.454851	2.3	2.012
19	0.502939	2.417048	2.1	2.010
20	0.511852	2.386093	2.0	2.009
21	0.519410	2.360260	2.0	2.008
22	0.525936			

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.042579	0.548159	2701.2	2.000
1	0.098653	39.740879	154.1	1.412
2	0.146324	14.183990	50.2	1.256
3	0.185675	8.528789	26.8	1.184
4	0.218441	6.276507	17.3	1.143
5	0.246128	5.103163	13.3	1.117
6	0.269863	4.391425	10.6	1.099
7	0.290472	3.915725	8.9	1.085
8	0.308568	3.575836	7.7	1.075
9	0.324609	3.320913	6.8	1.066
10	0.339185	2.963743	6.1	1.054
12	0.351858	2.724981	5.6	1.046
14	0.374215	2.553694	4.9	1.039
16	0.392955	2.424536	4.3	1.034
18	0.408933	2.323477	3.9	1.030
20	0.422747	2.245864	3.6	1.024
25	0.450387	2.145865	3.1	1.019
30	0.471233	2.029365	2.8	1.016
35	0.487588	1.947810	2.5	1.014
40	0.500800	1.836526	2.4	1.012
45	0.511718	1.800806	2.3	1.011
50	0.520905	1.769578	2.0	1.009
55	0.528730	1.743501	2.0	1.008
60	0.535533			

CONFIDENCE LEVEL = .975
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	4052.180699	*	2.000
2	0.0	98.502513	*	1.419
3	0.0	34.116222	*	1.275
4	0.0	21.197690	*	1.214
5	0.0	16.258177	*	1.182
6	0.0	13.745023	*	1.163
7	0.0	12.246383	*	1.150
8	0.0	11.258624	*	1.140
9	0.0	10.561431	*	1.133
10	0.0	10.044289	*	1.128
12	0.0	9.330212	*	1.120
14	0.0	8.861593	*	1.115
16	0.0	8.531096	*	1.111
18	0.0	8.285420	*	1.108
20	0.0	8.095958	*	1.106
25	0.0	7.769798	*	1.102
30	0.0	7.562476	*	1.099
35	0.0	7.419117	*	1.098
40	0.0	7.314100	*	1.096
45	0.0	7.233868	*	1.095
50	0.0	7.170577	*	1.094
55	0.0	7.119377	*	1.094
60	0.0	7.077106	*	1.093

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	4999.504833	2033332.3	1.999
3	0.000001	99.009875	10126.6	1.411
4	0.000007	30.830314	1507.1	1.239
5	0.000018	8.017949	1556.9	1.192
6	0.000033	3.294860	3561.2	1.156
7	0.000050	10.948121	1198.4	1.134
8	0.000068	9.571924	1146.7	1.118
9	0.000093	8.676115	116.7	1.108
10	0.000101	8.049918	97.6	1.099
12	0.000117	7.589017	84.5	1.093
14	0.000145	6.958097	68.0	1.084
16	0.000169	6.547820	58.2	1.078
18	0.000190	6.260331	51.7	1.073
20	0.000208	6.047928	47.2	1.070
25	0.000223	5.884717	43.8	1.067
30	0.000234	5.605207	38.4	1.062
35	0.000277	5.428543	35.1	1.059
40	0.000294	5.306860	33.0	1.057
45	0.000308	5.217978	31.4	1.055
50	0.000320	5.150223	30.3	1.054
55	0.000329	5.096867	29.4	1.053
60	0.000337	5.053766	28.7	1.052
65	0.000344	5.018222	28.1	1.052

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0000021	5403.574256	48637.1	1.998
1	0.0000361	99.292359	792.7	1.405
2	0.001038	29.573095	175.4	1.248
3	0.001817	16.810011	78.7	1.178
4	0.002574	12.176370	47.7	1.139
5	0.003264	9.897409	33.8	1.115
6	0.003878	8.570338	26.3	1.099
7	0.004419	7.711076	21.7	1.087
8	0.004895	7.112881	18.7	1.079
9	0.005315	6.674023	16.5	1.072
10	0.006018	6.075437	13.7	1.062
12	0.006579	5.687655	12.0	1.056
14	0.007035	5.416653	10.8	1.051
16	0.007413	5.216853	10.0	1.048
20	0.007730	5.063576	9.4	1.045
25	0.008336	4.803597	8.3	1.040
30	0.008766	4.636364	7.7	1.037
35	0.009037	4.522719	7.3	1.035
40	0.009336	4.439795	6.9	1.033
45	0.009534	4.376629	6.7	1.032
50	0.009695	4.326919	6.5	1.031
55	0.009830	4.286781	6.4	1.030
60	0.009943	4.253695	6.3	1.029

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000314	5625.243802	15905.2	1.998
1	0.002553	99.500000	399.0	1.403
2	0.005519	28.909666	99.2	1.244
3	0.008435	16.0780	46.9	1.172
4	0.011013	11.568535	29.2	1.133
5	0.013231	9.321050	21.1	1.108
6	0.015126	8.016979	16.5	1.091
7	0.016731	7.174754	13.7	1.079
8	0.018151	6.589544	11.9	1.070
9	0.019366	6.160853	10.8	1.063
10	0.021364	5.777073	10.0	1.053
12	0.022931	5.199501	8.8	1.047
14	0.024139	4.935936	7.7	1.042
16	0.025221	4.741783	6.9	1.038
20	0.026030	4.592935	6.4	1.036
25	0.027709	4.338720	5.3	1.031
30	0.028855	4.178510	4.9	1.028
35	0.029705	4.063377	4.6	1.025
40	0.030360	3.988043	4.4	1.024
45	0.030880	3.926867	4.2	1.023
50	0.031302	3.878732	4.1	1.022
55	0.031653	3.839872	4.0	1.021
60	0.031948	3.807843	4.0	1.020

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0011188	5764.701727	10956.7	1.998
10	0.006517	99.625794	306.2	1.402
20	0.012640	28.480337	79.9	1.243
40	0.018166	14.737816	38.5	1.170
60	0.022876	11.170038	24.2	1.130
80	0.026841	8.941426	17.5	1.105
100	0.030186	7.651058	13.8	1.088
120	0.033026	6.818947	11.4	1.076
140	0.035459	6.241415	9.9	1.067
160	0.037561	5.818710	8.7	1.060
180	0.040999	5.243601	7.3	1.049
200	0.043685	4.871966	6.3	1.043
220	0.045837	4.612700	5.7	1.038
240	0.047597	4.421794	5.2	1.034
260	0.049062	4.275479	4.8	1.031
280	0.051833	4.025677	4.3	1.026
300	0.053782	3.868299	4.0	1.023
320	0.055225	3.760133	3.7	1.021
340	0.056337	3.681243	3.6	1.019
360	0.057219	3.621172	3.4	1.018
380	0.057936	3.573908	3.3	1.017
400	0.058530	3.535753	3.3	1.017
420	0.059031	3.504306	3.2	1.016

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.002537	5860.301334	3910.9	1.998
12	0.011443	99.699495	272.6	1.403
24	0.020713	38.174197	72.7	1.243
48	0.028792	19.436334	35.4	1.170
96	0.035567	10.885332	22.3	1.130
192	0.041221	8.669578	16.4	1.104
384	0.045969	7.383471	12.7	1.087
768	0.049990	6.563150	10.5	1.074
1536	0.053429	5.990740	9.0	1.065
3072	0.056339	5.572004	8.0	1.058
6144	0.061254	5.002599	6.6	1.048
12288	0.065048	4.634827	5.7	1.041
24576	0.068089	4.378332	5.2	1.035
49152	0.070577	4.189502	4.7	1.032
98304	0.072650	4.044795	4.4	1.029
196608	0.076577	3.797762	3.9	1.024
393216	0.079341	3.642137	3.5	1.021
786432	0.081391	3.535175	3.3	1.019
1572864	0.082971	3.457162	3.3	1.017
3145728	0.034227	3.397736	3.3	1.016
6291456	0.085248	3.351014	3.3	1.015
12582912	0.086094	3.313279	3.3	1.014
25165824	0.086807	3.282177	3.2	1.014

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.004292	0.835225	1.50	0.998
1	0.016570	0.743487	1.58	0.403
2	0.028740	0.671147	2.58	0.244
3	0.039149	0.609782	3.4	0.171
4	0.047812	0.555158	3.5	0.130
5	0.055019	0.50336	3.55	0.104
6	0.061062	0.454677	3.55	0.087
7	0.066181	0.409105	3.55	0.074
8	0.070339	0.365168	3.55	0.065
9	0.074346	0.323709	3.55	0.057
10	0.078054	0.283755	3.55	0.047
11	0.081539	0.245234	3.55	0.039
12	0.084853	0.209001	3.55	0.034
13	0.087923	0.175755	3.55	0.030
14	0.090797	0.145204	3.55	0.027
15	0.093514	0.117235	3.55	0.023
16	0.096001	0.092057	3.55	0.019
17	0.098293	0.069235	3.55	0.017
18	0.099924	0.04957	3.55	0.015
19	0.101344	0.033525	3.55	0.013
20	0.102593	0.020097	3.55	0.011
21	0.103696	0.01113	3.55	0.009
22	0.104676	0.00616	3.55	0.008
23	0.105554	0.00357	3.55	0.007
24	0.106344	0.00213	3.55	0.006
25	0.107054	0.0013	3.55	0.005
26	0.107696	0.00097	3.55	0.004
27	0.108276	0.00071	3.55	0.003
28	0.108796	0.00057	3.55	0.002
29	0.109254	0.00047	3.55	0.002
30	0.109654	0.00039	3.55	0.001

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.006115	0.648483	1.58	0.998
1	0.021155	0.770520	1.58	0.404
2	0.036276	0.763659	2.58	0.244
3	0.048767	0.671147	3.4	0.172
4	0.059123	0.609782	3.5	0.131
5	0.067732	0.555158	3.55	0.105
6	0.074932	0.50336	3.55	0.087
7	0.081062	0.454677	3.55	0.074
8	0.086181	0.409105	3.55	0.065
9	0.090339	0.365168	3.55	0.057
10	0.094346	0.323709	3.55	0.047
11	0.098054	0.283755	3.55	0.039
12	0.101539	0.245234	3.55	0.034
13	0.104853	0.209001	3.55	0.030
14	0.107923	0.175755	3.55	0.027
15	0.110797	0.145204	3.55	0.023
16	0.113514	0.117235	3.55	0.019
17	0.116001	0.092057	3.55	0.017
18	0.118293	0.069235	3.55	0.015
19	0.120797	0.04957	3.55	0.013
20	0.122593	0.033525	3.55	0.011
21	0.124344	0.020097	3.55	0.009
22	0.125924	0.01113	3.55	0.008
23	0.127344	0.00616	3.55	0.007
24	0.128696	0.00357	3.55	0.006
25	0.129924	0.00213	3.55	0.005
26	0.131054	0.0013	3.55	0.004
27	0.132076	0.00097	3.55	0.003
28	0.133054	0.00071	3.55	0.002
29	0.133924	0.00057	3.55	0.002
30	0.134796	0.00047	3.55	0.001

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.007937	0.108796	7365.5	1.999
1	0.026137	0.787589	250.3	1.405
2	0.043176	27.619167	68.3	1.245
3	0.057509	14.891651	33.4	1.172
4	0.069376	10.370051	21.1	1.131
5	0.079245	8.176346	15.2	1.105
6	0.087534	6.910858	11.9	1.087
7	0.094573	6.096814	9.8	1.074
8	0.100612	5.532780	8.4	1.065
9	0.105845	5.120441	7.4	1.057
10	0.111444	4.560030	6.0	1.046
11	0.112121	4.198180	5.2	1.039
12	0.112668	3.945819	4.6	1.033
13	0.113117	3.760005	4.2	1.029
14	0.113493	3.617579	3.9	1.026
15	0.113721	3.513332	3.6	1.021
16	0.113901	3.420986	3.4	1.018
17	0.114051	3.33524	3.2	1.015
18	0.114183	3.25361	3.0	1.014
19	0.114303	3.179926	2.8	1.013
20	0.114415	3.113772	2.6	1.011
25	0.114598	2.896497	2.4	1.010
30	0.114723	2.865765	2.4	1.010
35	0.114803			
40	0.114833			
45	0.114853			
50	0.114863			
55	0.114868			
60	0.114870			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.009691	0.513905	7265.9	1.999
1	0.030365	99.798607	250.4	1.405
2	0.049416	27.500671	68.5	1.246
3	0.065383	14.775712	33.5	1.173
4	0.078599	10.260204	21.1	1.133
5	0.089601	8.070963	15.2	1.106
6	0.098855	6.808575	11.9	1.088
7	0.106723	5.996725	9.8	1.073
8	0.113348	5.434287	8.4	1.065
9	0.119335	5.023140	7.4	1.057
10	0.125903	4.464349	6.0	1.046
11	0.133666	4.103315	5.2	1.039
12	0.142838	3.851327	4.6	1.033
13	0.147929	3.666479	4.2	1.029
14	0.152199	3.524384	3.9	1.026
15	0.156036	3.421637	3.6	1.021
16	0.160618	3.332549	3.4	1.017
17	0.166180	3.252229	3.2	1.015
18	0.170531	3.188776	3.0	1.014
19	0.173908	3.13638	2.8	1.013
20	0.176605	3.084163	2.6	1.011
25	0.178809	2.880433	2.4	1.010
30	0.180644	2.804391	2.4	1.010
35	0.182194	2.773658	2.3	1.010
40				
45				
50				
55				
60				

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.012884	61.08.009092	72.34.4	.999
1	0.037693	99.810601	253.3	.407
3	0.060096	27.317994	69.3	.248
4	0.078813	14.597160	33.3	.175
5	0.094321	10.090877	21.3	.134
6	0.107263	7.908310	15.3	.107
7	0.118133	6.650503	11.3	.089
8	0.127501	5.841348	9.3	.076
9	0.135536	5.281659	8.4	.066
10	0.142531	4.872232	7.4	.058
11	0.149410	4.515663	6.0	.047
12	0.156328	3.956159	5.3	.039
13	0.163289	3.505305	4.5	.033
14	0.170747	3.520496	4.1	.029
15	0.176924	3.378759	3.8	.026
16	0.182122	3.136468	3.5	.020
17	0.189211	2.983335	3.3	.017
18	0.192269	2.878244	3.1	.014
19	0.204647	2.801337	2.6	.013
20	0.208837	2.742701	2.4	.011
21	0.212193	2.696514	2.3	.010
22	0.214942	2.659193	2.3	.009
23	0.217235	2.628407	2.2	.009
24	0.219176		2.2	.009

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0135625	61.44.337078	72.99.9	.999
1	0.0436918	99.815818	257.7	.407
3	0.0687778	27.183855	70.7	.248
4	0.0897066	14.466148	34.3	.176
5	0.107075	9.966483	21.7	.135
6	0.121611	7.733639	15.5	.108
7	0.133913	6.534018	12.1	.090
8	0.144442	5.727345	9.3	.077
9	0.153548	5.168924	8.3	.067
10	0.161498	4.760549	7.4	.059
11	0.174704	4.205356	6.0	.047
12	0.183522	3.846608	5.3	.039
13	0.193813	3.596174	4.5	.034
14	0.200947	3.411593	4.1	.029
15	0.206971	3.269967	3.8	.026
16	0.218600	3.027701	3.5	.020
17	0.226976	2.874641	3.3	.017
18	0.233297	2.769180	2.9	.014
19	0.238237	2.692096	2.7	.012
20	0.242206	2.633291	2.4	.011
21	0.245463	2.586349	2.3	.010
22	0.248186	2.549486	2.3	.009
23	0.250495	2.518572	2.2	.009
24			2.2	.009

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.017958	6171.768967	7400.4	1.999
17	0.048656	99.8179223	262.3	1.408
18	0.075909	27.081249	72.0	1.250
19	0.098645	14.365965	35.1	1.177
20	0.117552	9.871263	22.0	1.136
21	0.133415	7.696911	15.8	1.109
22	0.146876	6.444613	12.3	1.091
23	0.158429	5.639700	10.1	1.078
24	0.168446	5.082146	8.6	1.067
25	0.177213	4.674510	7.5	1.060
26	0.191838	4.120198	6.1	1.048
27	0.203522	3.720187	5.2	1.040
28	0.213095	3.511628	4.6	1.034
29	0.221077	3.327099	4.1	1.030
30	0.227837	3.185452	3.8	1.026
31	0.234093	3.043978	3.5	1.020
32	0.235042	2.789641	2.9	1.017
33	0.235760	2.683904	2.7	1.014
34	0.236323	2.606365	2.5	1.012
35	0.236775	2.547530	2.4	1.011
36	0.237150	2.500984	2.3	1.010
37	0.237463	2.463338	2.2	1.009
38	0.237728	2.432261	2.1	1.008

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.019945	5193.177349	7509.9	1.999
14	0.052801	99.818515	266.7	1.409
15	0.081842	27.000266	73.3	1.254
16	0.106082	14.286897	35.7	1.178
17	0.126277	9.796041	22.4	1.137
18	0.143260	7.624367	16.0	1.109
19	0.157706	6.373825	12.3	1.092
20	0.170133	5.570070	10.2	1.078
21	0.180934	5.013288	8.7	1.068
22	0.190407	4.606170	7.6	1.060
23	0.206244	4.052421	6.1	1.048
24	0.218965	3.694336	5.2	1.040
25	0.229411	3.444137	4.6	1.034
26	0.238147	3.259562	4.2	1.030
27	0.245564	3.117817	3.8	1.026
28	0.251992	2.987500	3.5	1.020
29	0.257043	2.721318	2.9	1.017
30	0.261843	2.615250	2.7	1.014
31	0.268473	2.537616	2.5	1.012
32	0.273973	2.478321	2.4	1.011
33	0.279396	2.431544	2.3	1.010
34	0.284666	2.393696	2.2	1.009
35	0.290044	2.362439	2.1	1.008

CONFIDENCE LEVEL=.99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.0221648	0.360348	7618.6	1.999
2	0.0563003	99.818350	270.9	1.409
3	0.086841	26.934742	74.4	1.251
4	0.1123300	14.223919	36.3	1.179
5	0.1333639	9.725123	22.7	1.138
6	0.151577	7.565561	16.3	1.111
7	0.166869	6.316386	12.6	1.093
8	0.180051	5.513516	10.3	1.079
9	0.191531	4.957309	8.8	1.069
10	0.201618	4.550563	7.7	1.061
12	0.218529	3.997200	6.2	1.049
14	0.232215	3.639209	5.3	1.041
16	0.243377	3.388976	4.6	1.035
18	0.252785	3.204298	4.2	1.030
20	0.260793	3.062414	3.8	1.027
25	0.276419	2.819207	3.3	1.021
30	0.287328	2.665322	3.0	1.017
35	0.296531	2.558699	2.7	1.014
40	0.303393	2.480752	2.5	1.012
45	0.308945	2.421182	2.3	1.011
50	0.313350	2.374165	2.2	1.010
55	0.317331	2.336105	2.2	1.009
60	0.320662	2.304661	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.024978	0.412052	7863.0	2.000
2	0.063035	99.816674	279.7	1.410
3	0.096430	26.815167	76.8	1.253
4	0.124379	14.106135	37.4	1.181
5	0.147789	9.623798	23.4	1.139
6	0.167597	7.457953	16.8	1.111
7	0.184535	6.211133	13.0	1.094
8	0.199335	5.409748	10.6	1.081
9	0.212071	4.854464	9.0	1.070
10	0.223395	4.448273	7.9	1.062
12	0.242478	3.895366	6.4	1.050
14	0.257937	3.537353	5.4	1.042
16	0.270782	3.286866	4.7	1.036
18	0.281592	3.101819	4.3	1.031
20	0.290835	2.959514	3.9	1.027
25	0.309003	2.715214	3.3	1.021
30	0.322387	2.560109	3.0	1.017
35	0.332668	2.452782	2.7	1.014
40	0.340823	2.374045	2.5	1.012
45	0.347455	2.313787	2.3	1.011
50	0.352930	2.266166	2.2	1.010
55	0.357585	2.227575	2.2	1.009
60	0.361546	2.195661	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30		6262	8068.1	2.000
1	0.027391	99.814620	236.7	1.411
2	0.067838	26.734303	78.7	1.254
3	0.103258	14.027123	38.3	1.182
4	0.132955	9.548375	24.0	1.141
5	0.157898	7.384934	17.2	1.114
6	0.179071	6.139603	13.3	1.096
7	0.197255	5.339112	10.9	1.082
8	0.213046	4.784347	9.2	1.073
9	0.226895	4.378432	8.1	1.063
10	0.239148	3.825641	6.5	1.051
11	0.259882	3.467433	5.5	1.043
12	0.276736	3.216605	4.8	1.037
13	0.290856	3.051152	4.3	1.032
14	0.302766	2.888415	4.0	1.028
15	0.312988	2.643049	3.3	1.022
16	0.333196	2.343974	3.0	1.017
17	0.343136	2.378796	2.7	1.015
18	0.359771	2.299317	2.5	1.012
19	0.369004	2.238411	2.4	1.011
20	0.376543	2.190223	2.3	1.010
21	0.382817	2.151131	2.2	1.009
22	0.388123	2.118773	2.1	1.008
23	0.392669			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35		6277	8234.3	2.000
1	0.029213	99.812720	292.3	1.411
2	0.071428	26.675992	80.3	1.254
3	0.108356	13.970121	39.4	1.183
4	0.139365	9.493907	24.4	1.141
5	0.165467	7.332140	17.5	1.115
6	0.187677	6.087821	13.6	1.096
7	0.206799	5.287917	11.1	1.083
8	0.223445	4.733470	9.4	1.072
9	0.238079	4.327697	8.2	1.064
10	0.251057	3.774880	6.6	1.052
11	0.273083	3.416427	5.6	1.044
12	0.291117	3.165254	4.9	1.037
13	0.306180	2.979413	4.4	1.032
14	0.318974	2.836277	4.0	1.029
15	0.329988	2.589938	3.4	1.022
16	0.351865	2.432987	3.0	1.018
17	0.368188	2.224040	2.7	1.015
18	0.380866	2.243890	2.5	1.013
19	0.391012	2.182366	2.4	1.011
20	0.399326	2.133690	2.3	1.010
21	0.406267	2.094140	2.2	1.009
22	0.412152	2.061373	2.1	1.008
23	0.417209			

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.030633	6288.284367	8370.7	2.000
1	0.074208	99.811069	296.8	2.412
2	0.112304	26.631961	81.4	2.255
3	0.144351	13.927062	39.7	2.183
4	0.171340	9.452729	24.8	2.142
5	0.194365	7.292191	17.7	2.116
6	0.214228	6.048601	13.8	2.094
7	0.231553	5.249107	11.3	2.075
8	0.246812	4.694865	9.5	2.065
9	0.260368	4.289165	8.3	2.055
10	0.268343	3.936261	7.7	2.044
11	0.302383	3.77558	6.7	2.038
12	0.318257	3.6062	5.0	2.033
13	0.331776	3.49869	4.5	2.023
14	0.343445	3.37373	4.1	2.022
15	0.366711	3.249168	3.4	2.022
16	0.384157	3.14438	3.0	2.022
17	0.397763	2.91305	2.7	2.015
18	0.408691	2.701054	2.5	2.013
19	0.417674	2.539031	2.4	2.011
20	0.425194	2.408959	2.3	2.010
25	0.431585	2.049894	2.2	2.009
30	0.437088	2.016757	2.1	2.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.031771	6297.002951	8484.4	2.000
1	0.076424	99.809636	300.6	2.412
2	0.115448	26.597540	82.4	2.255
3	0.148291	13.893391	40.2	2.183
4	0.176027	9.420507	25.7	2.142
5	0.199709	7.260908	18.0	2.116
6	0.220172	6.017867	13.9	2.094
7	0.238047	5.218670	11.4	2.075
8	0.253815	4.664566	9.7	2.065
9	0.267845	4.258902	8.4	2.055
10	0.291770	3.905887	7.8	2.044
11	0.311471	3.746947	6.8	2.038
12	0.328018	3.609515	6.0	2.033
13	0.342143	3.508649	5.5	2.023
14	0.354361	3.428334	5.1	2.022
15	0.378801	3.251686	4.5	2.022
16	0.397204	3.08441	4.0	2.015
17	0.411609	2.948199	3.8	2.013
18	0.423215	2.84411	3.6	2.011
19	0.432780	2.76421	3.4	2.010
20	0.440807	2.701448	3.3	2.009
25	0.447645	2.014482	2.2	2.009
30	0.453542	1.981010	2.1	2.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.032701	03.986479	8579.7	2.000
1	0.078230	99.808447	303.7	1.412
2	0.118011	26.569896	83.3	1.256
3	0.151521	13.866339	40.6	1.184
4	0.179853	9.394606	25.4	1.143
5	0.204076	7.235749	18.2	1.117
6	0.225033	5.993133	14.1	1.098
7	0.243365	5.194161	11.5	1.085
8	0.259556	4.640153	9.8	1.074
9	0.273980	4.234502	8.5	1.066
10	0.298620	3.681370	6.9	1.054
11	0.318955	3.322210	5.8	1.045
12	0.336071	3.070156	5.1	1.035
13	0.350709	2.833357	4.6	1.034
14	0.363394	2.739269	4.2	1.030
15	0.388838	2.490618	3.5	1.023
16	0.408068	2.331584	3.1	1.016
17	0.423167	2.220799	2.8	1.013
18	0.435366	2.139031	2.6	1.010
19	0.445443	2.076109	2.4	1.007
20	0.455518	2.026133	2.3	1.006
21	0.461151	1.985461	2.2	1.009
22	0.467400	1.951684	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.033476	6309.705964	8661.5	2.000
1	0.079730	99.807408	306.5	1.412
2	0.120140	26.547206	84.0	1.256
3	0.154204	13.844132	40.9	1.185
4	0.183035	9.373334	25.6	1.144
5	0.207711	7.215074	18.3	1.117
6	0.229084	5.972799	14.2	1.099
7	0.247799	5.174001	11.6	1.085
8	0.264347	4.620062	9.9	1.075
9	0.279104	4.214412	8.6	1.066
10	0.304351	3.661162	6.9	1.054
11	0.325225	3.301802	5.9	1.045
12	0.342827	3.049512	5.1	1.039
13	0.357906	2.862473	4.6	1.034
14	0.370993	2.718123	4.2	1.030
15	0.397307	2.468869	3.5	1.023
16	0.417257	2.309290	3.1	1.019
17	0.432965	2.198019	2.8	1.016
18	0.445686	2.115821	2.6	1.014
19	0.456217	2.052517	2.4	1.012
20	0.465091	2.002204	2.3	1.010
21	0.472677	1.961220	2.2	1.009
22	0.479241	1.927166	2.1	1.008

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.034131	6314.476115	8732.6	2.000
55	0.080995	99.8065508	308.6	1.412
50	0.121935	26.528250	84.6	1.256
45	0.156470	13.825574	41.2	1.185
40	0.185722	9.355551	25.8	1.144
35	0.210763	7.197785	18.5	1.118
30	0.232509	5.955786	14.3	1.099
25	0.251552	5.157126	11.7	1.085
20	0.268405	4.603238	9.9	1.075
15	0.283447	4.197582	8.7	1.067
10	0.309215	3.644219	7.0	1.054
5	0.330555	3.284677	5.9	1.046
1	0.348576	3.032175	5.2	1.039
	0.364037	2.844913	4.6	1.035
	0.377474	2.700338	4.2	1.031
	0.404548	2.450546	3.5	1.024
	0.425132	2.290479	3.1	1.019
	0.441577	2.178772	2.8	1.016
	0.454562	2.096188	2.6	1.014
	0.465499	2.032538	2.4	1.012
	0.474729	1.981916	2.3	1.011
	0.482633	1.940652	2.2	1.009
	0.489481	1.906347	2.1	1.009

CONFIDENCE LEVEL = .99
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0	0.722709	*	2.000
2	0.0	0.501253	*	1.417
3	0.0	0.351957	*	1.269
4	0.0	0.332772	*	1.207
5	0.0	0.784781	*	1.173
6	0.0	0.624996	*	1.133
7	0.0	0.235558	*	1.099
8	0.0	0.688199	*	1.060
9	0.0	0.613609	*	1.023
10	0.0	0.826470	*	0.974
12	0.0	0.734230	*	0.909
14	0.0	0.060253	*	0.804
16	0.0	0.575458	*	0.700
18	0.0	0.218097	*	0.697
20	0.0	0.943935	*	0.695
25	0.0	0.475312	*	0.691
30	0.0	0.179617	*	0.688
35	0.0	0.976295	*	0.686
40	0.0	0.827839	*	0.685
45	0.0	0.714771	*	0.684
50	0.0	0.625758	*	0.683
55	0.0	0.555376	*	0.683
60	0.0	0.494617	*	0.682

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.0	0.499960	*	3.000
3	0.000000	0.004792	4.735.2	1.417
4	0.000000	0.806583	4.631.5	1.269
5	0.000000	0.293549	5.224.0	1.207
6	0.000000	0.324812	5.524.8	1.173
7	0.000000	0.556496	7.57.8	1.133
8	0.000000	0.17542	4.71.7	1.099
9	0.000000	0.057007	3.34.1	1.060
10	0.000000	0.122169	2.57.6	1.023
12	0.000000	0.445157	2.09.6	0.974
14	0.000000	0.527040	7.77.5	0.909
16	0.000000	0.999992	3.8.5	0.804
18	0.000000	0.532925	5.5.7	0.700
20	0.000000	0.234552	9.0.9	0.697
25	0.000000	0.005688	83.3	0.695
30	0.000000	0.619381	7.7.7	0.691
35	0.000000	0.376543	64.7	0.688
40	0.000000	0.210191	60.7	0.686
45	0.000000	0.089153	60.7	0.685
50	0.000000	0.997166	54.5	0.684
55	0.000000	0.924893	52.6	0.683
60	0.000000	0.866619	51.2	0.683
65	0.000000	0.813639	50.0	0.682

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.000005	21614.963419	194551.5	.999
4	0.000128	199.272973	1879.1	.409
5	0.000416	47.560806	346.6	.252
6	0.000778	24.350458	141.1	.188
7	0.001150	16.621237	80.4	.142
8	0.001502	13.008806	54.6	.118
9	0.001825	10.975504	43.3	.100
10	0.002116	9.690348	38.0	.090
11	0.002377	8.811663	33.4	.081
12	0.002610	8.176003	29.8	.074
13	0.002807	7.722087	26.8	.067
14	0.003007	7.322497	24.1	.061
15	0.003332	6.977497	21.8	.057
16	0.003594	6.740117	20.0	.053
18	0.003816	6.426072	18.8	.049
20	0.004004	6.164255	17.8	.046
25	0.004366	5.561009	16.0	.043
30	0.004626	5.328737	14.6	.038
35	0.004831	5.186370	13.6	.036
40	0.004973	5.076488	12.9	.034
45	0.005095	4.992684	12.4	.033
50	0.005195	4.926899	12.0	.033
55	0.005278	4.873393	11.7	.033
60	0.005348	4.830275	11.5	.033

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.000123	22500.420349	53762.4	.999
5	0.000293	199.499999	799.0	.407
6	0.000475	46.380309	69.3	.248
7	0.000633	23.320401	43.6	.176
8	0.000782	16.713119	33.5	.136
9	0.000907	13.798337	28.2	.110
10	0.000997	11.99392	24.0	.094
11	0.001045	10.952582	21.0	.082
12	0.001106	10.19338	18.8	.074
13	0.001133	9.487300	17.0	.068
14	0.001133	8.873300	15.6	.063
15	0.001133	8.364620	14.4	.059
16	0.001133	7.940840	13.4	.055
18	0.001133	7.79499	12.4	.051
20	0.001133	7.515681	11.7	.048
25	0.001133	6.6638	10.0	.043
30	0.001133	5.514839	8.8	.040
35	0.001133	4.974728	8.0	.037
40	0.001133	4.762350	7.4	.033
45	0.001133	4.617286	6.9	.032
50	0.001133	4.511948	6.6	.031
55	0.001133	4.432200	6.4	.030
60	0.001133	4.369280	6.2	.030
65	0.001133	4.318751	6.1	.030
70	0.001133	4.277180	6.0	.030

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.000592	0.279255	31.32.3	0.999
10	0.003838	0.652546	31.32.3	0.406
15	0.007839	0.633677	31.32.3	0.247
20	0.011697	0.663535	31.32.3	0.174
25	0.015029	0.130555	31.32.3	0.133
30	0.017886	0.645494	31.32.3	0.088
35	0.020329	0.697981	31.32.3	0.060
40	0.022426	0.473611	31.32.3	0.078
45	0.024237	0.639916	31.32.3	0.069
50	0.025813	0.038752	31.32.3	0.061
55	0.028411	0.234033	31.32.3	0.051
60	0.030456	0.722701	31.32.3	0.044
65	0.032105	0.370288	31.32.3	0.039
70	0.033445	0.113173	31.32.3	0.035
75	0.034599	0.917532	31.32.3	0.032
80	0.036742	0.586471	31.32.3	0.027
85	0.039261	0.379888	31.32.3	0.024
90	0.039390	0.238828	31.32.3	0.023
95	0.040262	0.136436	31.32.3	0.020
100	0.040954	0.058749	31.32.3	0.019
105	0.041518	0.997800	31.32.3	0.018
110	0.041936	0.948709	31.32.3	0.017
115	0.042331	0.908327	31.32.3	0.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.001472	0.841185	23.76.3	0.939
10	0.007433	0.746974	23.76.3	0.406
15	0.014033	0.110033	23.76.3	0.247
20	0.020018	0.201329	23.76.3	0.174
25	0.025124	0.713719	23.76.3	0.133
30	0.029448	0.261582	23.76.3	0.088
35	0.033111	0.342144	23.76.3	0.060
40	0.036255	0.132341	23.76.3	0.078
45	0.038956	0.111111	23.76.3	0.069
50	0.041330	0.713369	23.76.3	0.061
55	0.045158	0.926930	23.76.3	0.051
60	0.048193	0.423365	23.76.3	0.044
65	0.050637	0.076892	23.76.3	0.039
70	0.052645	0.822431	23.76.3	0.035
75	0.054323	0.692018	23.76.3	0.027
80	0.057512	0.306895	23.76.3	0.024
85	0.059766	0.104089	23.76.3	0.023
90	0.061442	0.965637	23.76.3	0.020
95	0.062736	0.865151	23.76.3	0.019
100	0.063766	0.788918	23.76.3	0.018
105	0.064605	0.729113	23.76.3	0.017
110	0.065300	0.680946	23.76.3	0.017
115	0.065837	0.641325	23.76.3	0.017

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.002664	0.874344	20549.8	0.999
12	0.011435	199.804905	446.33	0.407
14	0.020578	44.720608	105.12	0.247
15	0.023604	21.857858	47.88	0.174
16	0.035399	14.413047	38.88	0.133
17	0.041123	10.984951	30.00	0.086
18	0.045968	9.075570	25.55	0.089
19	0.050102	7.878047	22.66	0.076
20	0.053661	7.064095	20.66	0.066
21	0.056730	6.477975	19.33	0.059
22	0.061837	5.694538	17.55	0.048
24	0.065843	5.197440	16.47	0.040
26	0.069907	4.855167	15.77	0.035
28	0.071729	4.603618	15.33	0.031
30	0.073931	4.415826	14.88	0.028
32	0.078182	4.094831	14.47	0.023
35	0.081178	3.894627	13.77	0.020
40	0.083430	3.658770	13.33	0.017
45	0.085136	3.583521	13.33	0.016
50	0.087630	3.524487	13.00	0.015
55	0.088560	3.476941	12.99	0.014
60	0.089345	3.437829	12.99	0.012

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.004032	23927.932542	18938.4	0.999
12	0.015505	199.840875	428.6	0.407
14	0.026965	44.418560	102.1	0.248
15	0.036834	21.459221	46.33	0.174
16	0.045233	14.475000	38.00	0.133
17	0.052231	10.765247	30.6	0.087
18	0.058190	8.868069	25.99	0.089
19	0.063238	7.679083	22.50	0.076
20	0.067613	6.871372	20.33	0.066
21	0.071477	6.289978	19.00	0.058
22	0.077672	5.512169	17.77	0.047
24	0.082608	5.020455	16.47	0.040
26	0.086595	4.681272	15.33	0.034
28	0.089930	4.434005	14.47	0.030
30	0.092633	4.245962	14.00	0.027
32	0.097885	3.927938	13.33	0.022
35	0.101615	3.729584	13.33	0.019
40	0.104399	3.594172	13.33	0.016
45	0.106555	3.495987	13.00	0.015
50	0.108227	3.421320	12.99	0.014
55	0.109677	3.362816	12.99	0.013
60	0.111084	3.315695	12.99	0.012
60	0.111182	3.276931	12.7	0.011

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

9 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0005468	0.668129	18088.7	0.999
2	0.0194293	0.8633551	421.0	0.408
3	0.0322933	0.977384	100.8	0.248
4	0.0446222	0.9934752	46.0	0.175
5	0.054374	0.9994751	27.7	0.133
6	0.062576	0.999946	19.4	0.107
7	0.0695188	0.9999841	14.8	0.099
8	0.075450	0.9999955	12.0	0.076
9	0.080566	0.9999995	10.0	0.066
10	0.085017	0.9999999	8.8	0.058
11	0.0892371	0.9999999	7.7	0.047
12	0.0938187	0.9999999	6.0	0.040
13	0.1028937	0.9999999	5.5	0.034
14	0.1106733	0.9999999	4.8	0.030
15	0.1176290	0.9999999	4.4	0.027
16	0.1240073	0.9999999	4.0	0.021
17	0.1300736	0.9999999	3.8	0.018
18	0.1353406	0.9999999	3.6	0.016
19	0.1406642	0.9999999	3.0	0.014
20	0.1458703	0.9999999	2.8	0.013
21	0.1510386	0.9999999	2.7	0.012
22	0.1561787	0.9999999	2.6	0.011
23	0.1612970	0.9999999	2.6	0.010

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

10 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006901	0.335504	17629.5	0.999
2	0.023114	0.878014	418.0	0.408
3	0.038544	0.980331	100.8	0.248
4	0.051772	0.992044	45.9	0.175
5	0.062371	0.9979136	27.7	0.133
6	0.0720030	0.9994554	19.4	0.107
7	0.079899	0.9999636	14.8	0.099
8	0.086666	0.9999866	12.0	0.076
9	0.092429	0.9999973	10.0	0.066
10	0.097445	0.9999995	8.8	0.058
11	0.105872	0.9999999	7.7	0.047
12	0.117791	0.9999999	6.0	0.040
13	0.1223373	0.9999999	5.5	0.034
14	0.1266124	0.9999999	4.8	0.030
15	0.1303333	0.9999999	4.4	0.027
16	0.1338458	0.9999999	4.0	0.021
17	0.1373307	0.9999999	3.8	0.018
18	0.1407905	0.9999999	3.6	0.016
19	0.1442329	0.9999999	3.0	0.014
20	0.1476574	0.9999999	2.8	0.013
21	0.1510674	0.9999999	2.7	0.012
22	0.1544674	0.9999999	2.6	0.011
23	0.1578574	0.9999999	2.6	0.010

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0009612	24429.191539	17294.1	.999
1	0.029663	199.893192	419.3	.409
2	0.048276	43.677685	101.2	.250
3	0.064072	20.937381	46.2	.177
4	0.077313	13.589999	27.8	.135
5	0.088462	10.223997	19.4	.109
6	0.097936	8.355666	14.8	.090
7	0.106035	7.186676	11.9	.077
8	0.113107	6.393428	10.1	.067
9	0.119261	5.822896	8.7	.059
10	0.124992	5.061080	7.0	.047
11	0.129492	4.573076	5.9	.040
12	0.133644	4.245394	5.2	.034
13	0.137494	4.003179	4.7	.030
14	0.140981	3.813779	4.3	.026
15	0.144173	3.634530	3.6	.022
16	0.146990	3.311974	3.2	.017
17	0.149476	3.178894	3.0	.015
18	0.151551	3.082233	2.8	.013
19	0.153159	3.008849	2.6	.012
20	0.154403	2.951242	2.5	.011
21	0.155355	2.904319	2.4	.010
22	0.156032	2.866613	2.4	.009

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0112024	24574.606753	17306.0	2.000
1	0.0351177	199.899103	424.7	.409
2	0.0565555	43.456221	102.7	.251
3	0.0742995	20.741934	46.8	.178
4	0.0893499	13.414716	28.2	.136
5	0.1020355	10.061390	19.6	.110
6	0.1128882	8.202519	14.9	.091
7	0.1212993	7.037382	12.1	.078
8	0.127294	6.248776	10.1	.067
9	0.132387	5.681212	8.8	.060
10	0.1369215	4.923413	7.0	.048
11	0.1415870	4.442915	5.9	.040
12	0.1466463	4.112096	5.2	.034
13	0.1517293	3.870835	4.6	.030
14	0.1568406	3.687263	4.3	.026
15	0.1619006	3.576498	3.6	.022
16	0.1666655	3.182379	3.2	.017
17	0.1710459	3.049673	2.9	.014
18	0.1750995	2.953234	2.7	.013
19	0.1788444	2.879987	2.6	.011
20	0.1823642	2.822465	2.5	.010
21	0.1856349	2.776096	2.4	.009
22	0.1882777	2.737922	2.3	.009

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0014124	24684.2933764	17463.32	2.000
17	0.0039797	199.9000830	431.33	2.410
18	0.0063087	143.287208	104.33	2.52
19	0.0082797	100.592740	47.66	2.79
20	0.0099363	73.280761	28.66	2.7
21	0.0113378	59.936960	19.9	2.5
22	0.0125351	48.083057	15.1	2.092
23	0.0135568	38.923910	12.3	2.7
24	0.0144431	31.37668	10.2	2.68
25	0.0152158	25.72271	8.9	2.60
26	0.0158824	21.817345	7.7	2.48
27	0.0164668	18.338595	6.9	2.40
28	0.0169852	15.008899	6.3	2.34
29	0.0174529	12.768387	5.8	2.307
30	0.0178875	11.33332	5.4	2.2
31	0.0182951	10.275286	5.1	2.14
32	0.0186738	9.43904	4.9	2.1
33	0.0190246	8.779256	4.7	2.0
34	0.0193563	8.24708	4.6	2.0
35	0.0196716	7.813301	4.5	2.0
36	0.0199745	7.467083	4.4	2.08

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.0015943	24769.977525	17679.3	2.000
19	0.0043705	199.900594	438.1	2.410
20	0.0068746	143.154027	106.00	2.52
21	0.0089938	100.475142	48.33	2.80
22	0.0107780	73.175070	29.30	2.88
23	0.0122907	59.838676	20.2	2.7
24	0.0135862	47.989543	15.3	2.099
25	0.0147065	38.833512	12.4	2.7
26	0.0156846	31.049637	10.4	2.6
27	0.0165458	25.485864	9.0	2.4
28	0.0172922	21.733070	7.7	2.49
29	0.0179596	18.255577	6.9	2.4
30	0.0185430	15.936659	6.3	2.35
31	0.0190464	13.686643	5.8	2.30
32	0.0194816	11.503908	5.4	2.27
33	0.0198574	10.4247	5.1	2.2
34	0.0201935	9.54247	4.9	2.17
35	0.0204938	8.867947	4.7	2.14
36	0.0207693	8.271493	4.6	2.12
37	0.0210263	7.83846	4.5	2.1
38	0.0212733	7.460304	4.4	2.0
39	0.0215133	7.139404	4.3	2.0
40	0.0217485	6.867947	4.2	2.08

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.017522	0.744925	1.7907.3	2.000
21	0.047035	0.899433	1.444.6	2.411
22	0.073551	0.046399	1.007.6	2.253
23	0.096001	0.380078	1.49.1	2.180
24	0.114931	0.089558	1.29.4	2.339
25	0.131014	0.759082	2.20.5	2.222
26	0.144815	0.913740	1.15.5	2.094
27	0.156775	0.760349	1.22.5	2.080
28	0.167240	0.978132	0.00.5	2.070
29	0.176470	0.415637	9.1	2.061
30	0.182015	0.664469	7.3	2.049
31	0.192013	0.187905	6.0	2.041
32	0.204603	0.859538	5.3	2.035
33	0.215012	0.199851	4.7	2.031
34	0.223766	0.437310	4.3	2.027
35	0.231234	0.127820	3.6	2.023
36	0.234586	0.634079	3.3	2.017
37	0.235657	0.801377	3.3	2.014
38	0.236477	0.704779	2.7	2.012
39	0.237125	0.631304	2.5	2.011
40	0.237649	0.573529	2.4	2.010
45	0.238083	0.526902	2.3	2.009
50	0.238448	0.488479	2.2	2.008
55	0.238759			
60	0.238759			

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.020653	0.044533	1.8462.3	2.000
26	0.053504	0.833239	1.459.1	2.411
27	0.082855	0.850266	1.11.1	2.254
28	0.107736	0.206748	1.00.6	2.182
29	0.128794	0.932464	1.30.4	2.240
30	0.146753	0.613605	1.12.1	2.094
31	0.162239	0.775012	0.6.0	2.085
32	0.175714	0.626200	2.2.9	2.071
33	0.183755	0.846963	0.0.0	2.063
34	0.198034	0.286642	9.3	2.051
35	0.215786	0.538183	7.4	2.042
36	0.230260	0.063082	6.2	2.036
37	0.242301	0.735504	5.4	2.031
38	0.252484	0.496223	4.8	2.028
39	0.261211	0.338555	4.3	2.024
40	0.268440	0.004283	3.6	2.020
45	0.291117	0.810154	3.3	2.017
50	0.300999	0.676980	3.3	2.014
55	0.308792	0.579904	2.7	2.012
60	0.315145	0.505974	2.5	2.011
65	0.320432	0.447780	2.4	2.010
70	0.324874	0.400770	2.3	2.009
75	0.328632	0.361996	2.2	2.008

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.023955	25046.271900	18943.6	2.000
32	0.058167	199.891011	470.9	.422
34	0.089535	42.717818	113.9	.235
36	0.116177	120.089616	51.9	.133
38	0.138783	120.827835	33.1	.075
40	0.158129	9.515012	22.6	.056
42	0.174856	6.680351	16.4	.043
44	0.189462	6.534844	13.2	.033
46	0.202332	5.757669	10.0	.027
48	0.213376	5.198705	9.5	.024
50	0.223320	4.451864	7.5	.020
52	0.232491	3.977553	6.4	.017
54	0.240733	3.650326	5.6	.015
56	0.248243	3.411146	5.0	.013
58	0.255035	3.233754	4.4	.011
60	0.261277	3.106222	4.0	.010
62	0.267033	3.019030	3.7	.009
64	0.272373	2.949263	3.5	.008
66	0.277331	2.893333	3.3	.008
68	0.281950	2.848604	3.2	.008
70	0.286285	2.812737	3.1	.008

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.024708	25105.895364	19341.4	2.000
37	0.061675	199.895328	480.4	.422
39	0.094556	42.723966	113.9	.235
41	0.122521	120.005180	51.9	.133
43	0.146303	120.733612	33.1	.075
45	0.166705	9.443788	22.6	.056
47	0.184320	6.612752	16.4	.043
49	0.199872	6.468769	13.2	.033
51	0.213354	6.692945	10.0	.027
53	0.225372	5.134396	9.5	.024
55	0.234649	4.432909	7.5	.020
57	0.242359	3.955242	6.4	.017
59	0.248793	3.689135	5.6	.015
61	0.254166	3.489500	5.0	.013
63	0.259072	3.266441	4.4	.011
65	0.263592	3.085914	4.0	.010
67	0.267793	2.966062	3.7	.009
69	0.271738	2.852628	3.5	.008
71	0.275485	2.753198	3.3	.008
73	0.279000	2.666279	3.2	.008
75	0.282352	2.594677	3.1	.008
77	0.285599	2.534271	3.0	.008
79	0.288729	2.482771	2.9	.008
81	0.291752	2.438771	2.8	.008

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.026084	0.708994	1.9676.3	2.000
1	0.064404	1.99.884222	488.2	1.412
2	0.098459	42.550389	1.18.1	1.256
3	0.127457	1.9.941432	53.8	1.184
4	0.152161	1.2.694021	32.3	1.143
5	0.173397	1.9.389927	22.4	1.116
6	0.191840	7.561208	17.0	1.098
7	0.208018	6.418714	13.6	1.084
8	0.222336	5.643870	11.4	1.073
9	0.235109	5.086472	9.8	1.065
10	0.256957	4.341390	7.8	1.053
12	0.275000	3.867805	6.5	1.044
14	0.290186	3.540762	5.6	1.038
16	0.303167	3.301465	5.0	1.033
18	0.314407	3.118768	4.4	1.029
20	0.336908	3.007738	3.8	1.023
25	0.353860	2.611868	3.3	1.018
30	0.367127	2.476976	3.0	1.015
35	0.377811	2.378301	2.7	1.013
40	0.386611	2.302914	2.6	1.011
45	0.393991	2.243400	2.4	1.010
50	0.400273	2.195200	2.3	1.009
55	0.405687	2.155351	2.2	1.008
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.027190	0.820268	1.9959.1	2.000
1	0.066537	1.99.881609	494.7	1.412
2	0.101573	42.494127	119.6	1.256
3	0.131404	1.9.891603	54.3	1.184
4	0.156851	1.2.648975	32.7	1.143
5	0.178759	9.347771	22.7	1.117
6	0.197818	7.520836	17.2	1.098
7	0.214564	6.379481	13.8	1.084
8	0.229407	5.605578	11.6	1.074
9	0.242669	5.048465	10.0	1.066
10	0.265403	4.303993	7.9	1.053
12	0.284230	3.830474	6.6	1.045
14	0.300116	3.503417	5.7	1.038
16	0.313729	3.264009	5.1	1.034
18	0.325540	3.081145	4.6	1.030
20	0.349226	2.769601	3.8	1.023
25	0.367222	2.573190	3.3	1.018
30	0.381325	2.437785	3.0	1.015
35	0.392720	2.338638	2.7	1.013
40	0.402133	2.262823	2.6	1.011
45	0.410044	2.202823	2.4	1.010
50	0.416794	2.154374	2.3	1.009
55	0.422623	2.114209	2.2	1.008
60				

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.028098	25213.584797	20201.00	2.0000
1	0.068370	1999.879399	5000.2	1.413
2	0.104126	42.448956	1221.0	1.257
3	0.134631	19.851584	1555.1	1.195
4	0.160637	11.612780	1333.0	1.144
5	0.183151	9.313877	1222.9	1.117
6	0.202720	7.488359	1177.4	1.099
7	0.219936	6.347902	1144.0	1.095
8	0.235217	5.574377	1111.7	1.074
9	0.248887	5.017838	1080.1	1.066
10	0.272365	4.273643	1000.0	1.054
11	0.291849	3.800326	866.6	1.045
12	0.308333	3.473227	666.6	1.039
13	0.322477	3.233699	555.5	1.034
14	0.333477	3.050673	466.6	1.030
15	0.335956	2.738646	333.3	1.023
16	0.378377	2.541738	250.0	1.016
17	0.393209	2.405862	200.0	1.009
18	0.405227	2.306283	166.6	1.008
19	0.415178	2.230077	133.3	1.007
20	0.423362	2.169923	110.0	1.006
21	0.430728	2.120952	90.9	1.005
22	0.436928	2.080495	80.0	1.004

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.023857	25236.488065	20407.2	2.000
1	0.069855	1999.877515	5040.9	1.413
2	0.106247	42.448953	1222.1	1.257
3	0.137317	19.851583	1555.6	1.195
4	0.163884	11.612780	1333.4	1.144
5	0.186813	9.313877	1222.2	1.117
6	0.206810	7.488359	1177.7	1.099
7	0.224423	6.347902	1144.4	1.095
8	0.240073	5.574377	1111.8	1.074
9	0.254089	5.017838	1080.0	1.066
10	0.278195	4.273643	1000.0	1.054
11	0.298245	3.800326	866.7	1.046
12	0.315233	3.473227	666.3	1.039
13	0.329884	3.233699	555.2	1.034
14	0.342561	3.050673	466.7	1.030
15	0.368254	2.738646	333.9	1.024
16	0.387832	2.541738	250.4	1.019
17	0.403303	2.379342	200.0	1.016
18	0.415873	2.279370	166.8	1.014
19	0.426302	2.202805	133.6	1.012
20	0.435107	2.142226	110.3	1.010
21	0.442647	2.093060	90.3	1.009
22	0.449180	2.052335	80.2	1.008

CONFIDENCE LEVEL=.995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.029499	25255.590350	20533.6	2.0000
50	0.071109	199.875894	508.9	1.413
40	0.108038	42.380935	123.0	1.257
30	0.139587	9.791297	56.1	1.185
20	0.166587	2.558221	33.6	1.144
15	0.189912	9.262756	23.3	1.118
10	0.210274	7.439342	17.7	1.099
8	0.228226	6.300207	14.2	1.086
6	0.244193	5.527525	11.9	1.075
4	0.258505	4.971519	10.3	1.067
3	0.283134	4.227836	8.1	1.055
2	0.303690	3.754615	6.8	1.046
1	0.321116	3.427396	5.9	1.040
1	0.336125	3.187633	5.2	1.035
1	0.346212	3.004308	4.7	1.031
1	0.375703	2.669142	3.9	1.024
1	0.395948	2.493648	3.4	1.019
1	0.411989	2.336952	3.1	1.015
1	0.425047	2.236620	2.8	1.014
1	0.435904	2.179720	2.6	1.012
1	0.445087	2.141885	2.5	1.011
1	0.452962	2.106941	2.4	1.010
1	0.459796	2.072843	2.3	1.009

CONFIDENCE LEVEL = .995
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.00	0.072384	*	2.000
2	0.00	0.500251	*	1.415
3	0.00	1.670292	*	1.263
4	0.00	7.413739	*	1.197
5	0.00	47.180779	*	1.161
6	0.00	335.507490	*	1.139
7	0.00	239.245193	*	1.124
8	0.00	335.414760	*	1.114
9	0.00	229.857125	*	1.106
10	0.00	229.039595	*	1.105
20	0.00	108.643322	*	1.092
40	0.00	77.143360	*	1.082
60	0.00	56.122096	*	1.082
80	0.00	55.379306	*	1.079
100	0.00	44.818776	*	1.077
200	0.00	33.307697	*	1.073
300	0.00	33.293004	*	1.070
400	0.00	22.896335	*	1.068
500	0.00	22.609358	*	1.067
600	0.00	22.352170	*	1.066
800	0.00	22.22106	*	1.065
1000	0.00	22.035346	*	1.064
1500	0.00	21.972937	*	1.064

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.00	0.501262	*	2.000
3	0.00	0.000001	*	1.414
4	0.00	1.485011	86.55.5	1.260
5	0.00	6.124760	154.07.3	1.193
6	0.00	37.124690	671.4.9	1.164
7	0.00	277.002711	3689.00	1.139
8	0.00	227.691994	2402.3	1.124
9	0.00	38.496693	1771.1.3	1.114
10	0.00	36.390677	315.5.5	1.106
20	0.00	44.909084	1068.3	1.092
40	0.00	37.7761	771.9	1.082
60	0.00	31.783247	613.6	1.082
80	0.00	30.975602	515.7	1.079
100	0.00	30.394712	448.4	1.068
200	0.00	29.357588	401.5	1.066
300	0.00	22.7793	338.6	1.065
400	0.00	8.778907	337.2	1.063
500	0.00	8.475362	260.7	1.059
600	0.00	8.256359	242.7	1.057
800	0.00	8.091431	229.4	1.054
1000	0.00	7.962415	219.4	1.050
1500	0.00	7.858847	211.3	1.049
2000	0.00	7.773394	204.8	1.048

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.0	540379.303234	#	2.000
4	0.000011	999.238016	14004.6	1.413
5	0.000049	141.163960	1709.3	1.257
6	0.000103	56.223689	560.3	1.186
7	0.000173	33.253855	278.5	1.147
8	0.000241	23.753556	220.0	1.122
9	0.000307	18.823724	20.8	1.105
10	0.000370	15.880282	92.2	1.093
11	0.000429	13.952970	74.4	1.084
12	0.000483	12.604285	62.6	1.077
13	0.000578	10.856426	48.1	1.067
14	0.000659	9.782165	39.7	1.060
15	0.000727	9.059218	34.3	1.055
16	0.000786	8.541159	30.6	1.051
17	0.000836	8.152404	27.9	1.048
18	0.000936	7.505750	23.6	1.043
19	0.001010	7.009391	21.0	1.040
20	0.001066	6.642442	19.4	1.037
21	0.001110	6.350274	18.2	1.036
22	0.001146	6.103471	17.4	1.034
23	0.001175	6.039247	16.7	1.033
24	0.001200	6.001863	16.2	1.032
25	0.001221	6.227390	15.8	1.032

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.0	562499.577559	#	2.000
5	0.0000250	999.500002	3999.0	1.412
6	0.000714	137.256871	588.3	1.254
7	0.001253	53.563212	211.4	1.182
8	0.001791	33.202708	110.9	1.142
9	0.002290	23.035106	70.8	1.116
10	0.002744	17.305908	50.6	1.098
11	0.003151	14.497131	39.3	1.086
12	0.003516	12.664228	33.3	1.076
13	0.003842	11.335470	27.7	1.069
14	0.004398	9.733836	22.3	1.058
15	0.004850	8.722397	17.8	1.051
16	0.005323	8.043557	15.4	1.046
17	0.005536	7.538096	13.3	1.042
18	0.005801	7.194436	12.6	1.039
19	0.006314	6.390732	10.7	1.034
20	0.006684	6.221714	9.6	1.031
21	0.006962	5.973251	8.9	1.028
22	0.007179	5.794725	8.3	1.027
23	0.007353	5.666317	7.9	1.025
24	0.007496	5.555506	7.6	1.024
25	0.007614	5.471500	7.4	1.024
26	0.007715	5.402674	7.2	1.023

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	576404.563282	*	2.000
1	0.0001136	999.7227318	2339.8	.411
2	0.0026700	1334.820709	375.12	.253
3	0.0042488	1334.820709	375.12	.253
4	0.0057099	2200.955341	40.4	.380
5	0.0070144	2200.955341	75.3	.500
6	0.0081633	3333.624460	48.3	.533
7	0.0091733	3333.624460	35.3	.555
8	0.0100633	3333.624460	35.3	.555
9	0.0108488	3333.624460	35.3	.555
10	0.0115688	3333.624460	35.3	.555
11	0.0122277	3333.624460	35.3	.555
12	0.0128277	3333.624460	35.3	.555
13	0.0133733	3333.624460	35.3	.555
14	0.0138733	3333.624460	35.3	.555
15	0.0143277	3333.624460	35.3	.555
16	0.0147444	3333.624460	35.3	.555
17	0.0151111	3333.624460	35.3	.555
18	0.0154389	3333.624460	35.3	.555
19	0.0157278	3333.624460	35.3	.555
20	0.0159778	3333.624460	35.3	.555
21	0.0161889	3333.624460	35.3	.555
22	0.0163611	3333.624460	35.3	.555
23	0.0164944	3333.624460	35.3	.555
24	0.0165889	3333.624460	35.3	.555
25	0.0166444	3333.624460	35.3	.555
26	0.0166667	3333.624460	35.3	.555
27	0.0166556	3333.624460	35.3	.555
28	0.0166111	3333.624460	35.3	.555
29	0.0165333	3333.624460	35.3	.555
30	0.0164222	3333.624460	35.3	.555
31	0.0162778	3333.624460	35.3	.555
32	0.0161000	3333.624460	35.3	.555
33	0.0158889	3333.624460	35.3	.555
34	0.0156444	3333.624460	35.3	.555
35	0.0153667	3333.624460	35.3	.555
36	0.0150556	3333.624460	35.3	.555
37	0.0147111	3333.624460	35.3	.555
38	0.0143333	3333.624460	35.3	.555
39	0.0139222	3333.624460	35.3	.555
40	0.0134778	3333.624460	35.3	.555
41	0.0130000	3333.624460	35.3	.555
42	0.0124889	3333.624460	35.3	.555
43	0.0119444	3333.624460	35.3	.555
44	0.0113667	3333.624460	35.3	.555
45	0.0107556	3333.624460	35.3	.555
46	0.0101111	3333.624460	35.3	.555
47	0.0094333	3333.624460	35.3	.555
48	0.0087222	3333.624460	35.3	.555
49	0.0079778	3333.624460	35.3	.555
50	0.0072000	3333.624460	35.3	.555
51	0.0063889	3333.624460	35.3	.555
52	0.0055444	3333.624460	35.3	.555
53	0.0046667	3333.624460	35.3	.555
54	0.0037556	3333.624460	35.3	.555
55	0.0028111	3333.624460	35.3	.555
56	0.0018333	3333.624460	35.3	.555
57	0.0008222	3333.624460	35.3	.555
58	0.0007778	3333.624460	35.3	.555
59	0.0007111	3333.624460	35.3	.555
60	0.0006333	3333.624460	35.3	.555

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.0	585937.109222	*	2.000
1	0.002753	999.892087	1789.3	.411
2	0.0058188	1333.143880	300.7	.253
3	0.0087388	1333.143880	144.8	.253
4	0.0113333	2200.274334	40.4	.380
5	0.0136683	2200.274334	52.3	.500
6	0.0156788	3333.205647	40.4	.533
7	0.0174111	3333.205647	29.5	.555
8	0.0189333	3333.205647	29.5	.555
9	0.0202778	3333.205647	29.5	.555
10	0.0214444	3333.205647	29.5	.555
11	0.0224556	3333.205647	29.5	.555
12	0.0233333	3333.205647	29.5	.555
13	0.0240778	3333.205647	29.5	.555
14	0.0246889	3333.205647	29.5	.555
15	0.0251667	3333.205647	29.5	.555
16	0.0256111	3333.205647	29.5	.555
17	0.0259222	3333.205647	29.5	.555
18	0.0261111	3333.205647	29.5	.555
19	0.0262778	3333.205647	29.5	.555
20	0.0264111	3333.205647	29.5	.555
21	0.0265111	3333.205647	29.5	.555
22	0.0265778	3333.205647	29.5	.555
23	0.0266111	3333.205647	29.5	.555
24	0.0266222	3333.205647	29.5	.555
25	0.0266111	3333.205647	29.5	.555
26	0.0265778	3333.205647	29.5	.555
27	0.0265111	3333.205647	29.5	.555
28	0.0264111	3333.205647	29.5	.555
29	0.0262778	3333.205647	29.5	.555
30	0.0261111	3333.205647	29.5	.555
31	0.0259222	3333.205647	29.5	.555
32	0.0256778	3333.205647	29.5	.555
33	0.0254000	3333.205647	29.5	.555
34	0.0250889	3333.205647	29.5	.555
35	0.0247333	3333.205647	29.5	.555
36	0.0243333	3333.205647	29.5	.555
37	0.0238889	3333.205647	29.5	.555
38	0.0234000	3333.205647	29.5	.555
39	0.0228778	3333.205647	29.5	.555
40	0.0223111	3333.205647	29.5	.555
41	0.0217111	3333.205647	29.5	.555
42	0.0210778	3333.205647	29.5	.555
43	0.0204111	3333.205647	29.5	.555
44	0.0197111	3333.205647	29.5	.555
45	0.0189778	3333.205647	29.5	.555
46	0.0182000	3333.205647	29.5	.555
47	0.0173889	3333.205647	29.5	.555
48	0.0165333	3333.205647	29.5	.555
49	0.0156444	3333.205647	29.5	.555
50	0.0147111	3333.205647	29.5	.555
51	0.0137444	3333.205647	29.5	.555
52	0.0127333	3333.205647	29.5	.555
53	0.0116889	3333.205647	29.5	.555
54	0.0106111	3333.205647	29.5	.555
55	0.0095000	3333.205647	29.5	.555
56	0.0083556	3333.205647	29.5	.555
57	0.0071778	3333.205647	29.5	.555
58	0.0059667	3333.205647	29.5	.555
59	0.0047222	3333.205647	29.5	.555
60	0.0034444	3333.205647	29.5	.555

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0	592873.290010	#	2.000
1	0.004953	1000.003567	1546.7	2.411
2	0.009706	131.9513272	267.1	2.533
3	0.014115	49.903171	103.1	2.799
4	0.017983	38.371034	56.1	2.937
5	0.021327	31.651673	36.7	3.111
6	0.024215	25.194250	26.7	3.293
7	0.026718	20.565143	20.8	3.479
8	0.028900	16.858795	17.1	3.669
9	0.030814	13.95330	14.5	3.860
10	0.032406	11.50107	11.8	4.050
11	0.033651	9.722010	9.6	4.243
12	0.034514	8.601470	8.1	4.437
13	0.038614	7.515895	7.3	4.630
14	0.040342	6.838273	6.6	4.824
15	0.041738	6.280793	6.0	5.019
16	0.044562	5.947146	5.5	5.214
17	0.046543	5.722954	5.0	5.409
18	0.048018	5.563401	4.5	5.604
19	0.049178	5.441132	4.0	5.799
20	0.050098	5.346880	3.8	5.994
21	0.050849	5.273390	3.6	6.189
22	0.051474	5.209574	3.4	6.384
23	0.052002		3.2	6.579

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.0	598144.159612	#	2.000
1	0.007452	1000.077241	1423.9	2.411
2	0.013923	150.969265	250.0	2.533
3	0.019790	49.252330	97.2	2.799
4	0.024882	27.865679	53.0	2.937
5	0.029260	20.224486	34.6	3.111
6	0.033028	14.831436	25.2	3.293
7	0.036290	11.532025	19.7	3.479
8	0.039133	9.362910	16.2	3.669
9	0.041622	7.861350	13.7	3.860
10	0.044909	6.947727	11.8	4.050
11	0.049093	6.333711	10.6	4.243
12	0.051796	5.901925	9.6	4.437
13	0.054039	5.576783	8.8	4.630
14	0.055937	5.338753	8.1	4.824
15	0.059557	4.711110	7.3	5.019
16	0.062153	4.490847	6.6	5.214
17	0.064100	4.332913	6.0	5.409
18	0.065614	4.214156	5.5	5.604
19	0.066824	4.121637	5.0	5.799
20	0.067814	4.047540	4.5	5.994
21	0.068638	3.986870	4.0	6.189
22	0.069334		3.8	6.384
23			3.6	6.579

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.0	6.02284	*	2.000
1	0.010073	1000.0	1357.3	1.421
2	0.018194	130.0	241.0	1.125
3	0.025450	48.7368	94.0	1.190
4	0.031708	27.4641	51.4	1.138
5	0.037073	18.8845	33.6	1.111
6	0.041636	14.5117	24.4	1.092
7	0.045678	11.9383	19.0	1.079
8	0.049156	10.2711	15.6	1.068
9	0.052209	9.1147	13.2	1.060
10	0.057303	7.6306	10.3	1.049
11	0.061376	6.7280	8.5	1.041
12	0.064701	6.1251	7.3	1.036
13	0.067464	5.6956	6.5	1.031
14	0.069794	5.3748	5.9	1.028
15	0.074281	4.8440	4.9	1.022
16	0.077498	4.5208	4.3	1.019
17	0.079916	4.3033	3.9	1.017
18	0.081799	4.1481	3.7	1.015
19	0.083306	4.0310	3.5	1.013
20	0.084539	3.9393	3.3	1.012
25	0.085567	3.8663	3.0	1.011
30	0.086437	3.8069	3.1	1.011

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0	6.05620	*	2.000
1	0.012692	1000.0	1520.7	1.421
2	0.022357	129.6134	236.2	1.125
3	0.030909	48.3171	93.4	1.180
4	0.038258	27.1371	50.5	1.133
5	0.044552	18.6074	33.0	1.111
6	0.049963	14.2647	24.0	1.092
7	0.054648	11.7112	18.7	1.079
8	0.058734	10.0576	15.3	1.068
9	0.062322	8.9117	13.0	1.060
10	0.065331	7.7441	10.0	1.049
11	0.073137	6.5478	8.2	1.041
12	0.077057	5.5511	7.1	1.035
13	0.080328	5.5261	6.3	1.031
14	0.083092	5.2087	5.7	1.028
15	0.088425	4.6838	4.7	1.022
16	0.092261	4.3642	4.2	1.018
17	0.095149	4.1495	3.8	1.016
18	0.097402	3.9956	3.5	1.014
19	0.099208	3.7896	3.3	1.013
20	0.100633	3.7174	3.1	1.012
25	0.101922	3.6583	3.0	1.011
30	0.102968	3.6583	3.1	1.011

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.0	610667.832302	1291.6	2.000
1	0.017660	1000.190679	1291.6	1.412
2	0.030061	128.685495	233.0	2.234
4	0.040915	47.675569	91.3	1.141
5	0.050214	26.636510	46.9	1.339
6	0.058176	18.182575	32.6	1.432
7	0.065033	11.362208	22.7	1.533
8	0.070931	9.729920	15.4	1.679
9	0.076180	8.599107	10.0	1.809
10	0.080738	7.749836	7.8	1.906
11	0.084616	7.026947	6.6	2.040
12	0.094631	6.682031	6.0	2.135
14	0.103931	6.263732	5.5	2.237
16	0.110752	5.951418	5.0	2.341
18	0.114433	5.720549	4.5	2.448
20	0.119933	5.559387	4.0	2.556
25	0.122633	5.379224	3.5	2.663
30	0.128730	5.244034	3.0	2.770
35	0.130701	5.155302	2.5	2.877
40	0.132348	5.084235	2.0	2.984
45	0.133746	5.026042	1.5	3.091
50			1.0	3.198
55			0.5	3.305
60			0.0	3.412

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.0	614302.749952	1290.5	2.000
1	0.021098	1000.203399	1290.5	1.412
2	0.036797	28.010151	233.8	2.234
4	0.049596	47.203075	91.7	1.141
5	0.060557	26.721137	50.1	1.339
6	0.069956	17.872140	32.7	1.432
7	0.078067	11.603170	22.7	1.533
8	0.085119	9.106330	15.4	1.679
9	0.091300	8.489142	10.0	1.809
10	0.096735	8.369570	7.8	1.906
11	0.105940	6.935009	6.6	2.040
12	0.113364	6.064135	6.0	2.135
14	0.119948	5.483180	5.5	2.237
16	0.124619	5.069569	5.0	2.341
18	0.128984	4.760775	4.5	2.448
20	0.133748	4.530153	4.0	2.556
25	0.143670	4.339249	3.5	2.663
30	0.148369	4.230413	3.0	2.770
35	0.153206	4.180591	2.5	2.877
40	0.155503	4.167914	2.0	2.984
45	0.157487	4.180114	1.5	3.091
50	0.159540	4.209761	1.0	3.198
55	0.161285	4.252181	0.5	3.305
60			0.0	3.412

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.0	617045.1922002	1300.4	2.000
1	0.025979	1000.206431	2336.1	1.412
2	0.042610	127.496627	92.7	1.255
3	0.057055	46.852242	50.6	1.183
4	0.069435	25.992673	33.0	1.140
5	0.080070	17.635169	25.5	1.103
6	0.089267	13.396138	20.9	1.094
7	0.097235	10.910610	18.5	1.080
8	0.104328	9.304775	16.8	1.062
9	0.110560	8.193282	15.8	1.050
10	0.116008	7.377005	15.0	1.043
11	0.121711	6.770032	14.4	1.037
12	0.127631	6.330033	13.9	1.033
13	0.133703	5.998845	13.4	1.027
14	0.140072	5.710715	13.0	1.023
15	0.146733	5.461481	12.6	1.019
16	0.153693	5.243711	12.3	1.015
17	0.160945	5.059148	12.0	1.011
18	0.168481	4.900902	11.8	1.009
19	0.176305	4.763531	11.6	1.008
20	0.184418	4.646631		

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
19	0.0	619187.694625	1300.0	2.000
1	0.022935	1000.204879	2335.0	1.412
2	0.047620	127.093301	92.0	1.255
3	0.063470	46.572339	50.0	1.183
4	0.077067	25.773397	33.0	1.140
5	0.088770	17.448370	25.0	1.103
6	0.098914	13.228827	20.9	1.094
7	0.107776	10.756032	18.5	1.080
8	0.115558	9.015902	16.8	1.062
9	0.122497	8.053933	15.8	1.050
10	0.128619	7.339324	15.0	1.043
11	0.134971	6.780377	14.4	1.037
12	0.141570	6.320840	13.9	1.033
13	0.148439	5.964130	13.4	1.027
14	0.155573	5.699303	13.0	1.023
15	0.162972	5.480274	12.6	1.019
16	0.170636	5.303327	12.3	1.015
17	0.178566	5.151001	12.0	1.011
18	0.186759	5.021342	11.8	1.009
19	0.195219	4.906459	11.6	1.008
20	0.203956	4.800764		

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0	620907.6664787	*	2.000
1	0.0332290	10000.201168	1331.1	2.413
2	0.0519356	126.767466	242.2	2.236
3	0.0690122	46.346416	95.0	2.133
4	0.083663	25.596252	55.5	2.144
5	0.0962955	17.297326	33.8	2.144
6	0.107266	13.093435	24.4	2.095
7	0.116872	10.630812	18.9	2.091
8	0.125345	9.040373	15.4	2.071
9	0.132874	7.940928	13.0	2.063
10	0.145665	6.533123	10.9	2.050
11	0.156123	5.678937	9.1	2.042
12	0.164835	5.109248	8.0	2.036
13	0.172207	4.703655	7.0	2.033
14	0.178577	4.400796	6.0	2.028
15	0.190985	3.899752	5.4	2.027
16	0.200180	3.594404	5.0	2.027
17	0.207248	3.399205	4.4	2.025
18	0.212854	3.241687	4.0	2.023
19	0.217409	3.130724	3.6	2.021
20	0.221185	3.044194	3.0	2.010
21	0.224365	2.974320	2.8	2.009
22	0.227082	2.917988	2.5	2.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0	624016.832856	*	2.000
1	0.038142	10000.182092	1371.5	2.413
2	0.060336	126.175329	249.6	2.236
3	0.079957	45.935240	97.9	2.144
4	0.095709	25.273468	55.5	2.133
5	0.111203	17.021772	34.8	2.144
6	0.123844	12.846115	25.1	2.095
7	0.134959	10.401859	19.4	2.091
8	0.144806	8.824396	15.8	2.071
9	0.153591	7.733313	13.0	2.063
10	0.160800	6.933814	10.9	2.050
11	0.166860	6.333814	9.1	2.042
12	0.171913	5.922684	8.0	2.036
13	0.176096	5.622435	7.0	2.033
14	0.179443	5.422435	6.0	2.028
15	0.181943	5.224351	5.4	2.027
16	0.184282	5.022435	5.0	2.027
17	0.185973	4.819941	4.4	2.025
18	0.187555	4.617372	4.0	2.023
19	0.188759	4.415917	3.6	2.021
20	0.189672	4.215917	3.0	2.010
21	0.190430	4.016728	2.8	2.009
22	0.191099	3.817993	2.5	2.008

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.0	626098	#	2.000
1	0.042467	10000.177329	1407.1	.413
2	0.066841	125.776680	236.1	.257
3	0.083013	45.657836	100.5	.184
4	0.106303	25.055442	54.8	.143
5	0.122186	16.835391	35.6	.116
6	0.133087	12.673609	25.7	.097
7	0.148349	9.002465	19.9	.083
8	0.159243	6.677721	16.2	.073
9	0.169002	4.759298	13.6	.065
10	0.178574	3.620524	10.3	.052
11	0.189960	2.536334	8.4	.044
12	0.201128	1.860172	7.7	.037
13	0.212168	1.401678	6.2	.033
14	0.223991	1.102778	5.6	.029
15	0.234719	.860768	4.5	.022
16	0.246017	.630537	4.3	.018
17	0.257029	.410172	3.4	.015
18	0.267841	.295522	3.4	.013
19	0.273503	.284477	3.1	.011
20	0.279066	.275851	2.9	.010
25	0.295391	.268926	2.6	.009
30	0.299459	.263245	2.5	.008

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0	627590	#	2.000
1	0.045773	10000.167212	1437.0	.413
2	0.071644	125.489740	261.6	.257
3	0.094142	45.458191	100.2	.185
4	0.113621	24.898307	56.0	.144
5	0.130579	16.700924	36.4	.117
6	0.144545	12.557636	26.4	.098
7	0.158619	9.001343	20.0	.084
8	0.170347	6.571436	16.0	.074
9	0.180868	4.749097	13.0	.065
10	0.198937	3.610880	10.0	.053
11	0.214057	2.702339	8.5	.044
12	0.226807	2.071073	7.2	.038
13	0.237750	1.632097	6.3	.033
14	0.247253	1.301415	5.6	.029
15	0.256350	.952036	4.6	.022
16	0.266078	.721856	3.9	.018
17	0.279210	.501507	3.5	.015
18	0.301237	.286857	3.2	.013
19	0.308759	.275802	3.0	.011
20	0.315070	.267162	2.7	.010
25	0.322043	.260222	2.6	.009
30	0.325073	.254324	2.5	.008

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.00	0.027091	*	2.000
41	0.0048374	0.0158716	1462.5	1.413
42	0.0075416	0.01273426	1266.1	1.257
43	0.0098957	0.0107554	1104.4	1.165
44	0.0119373	0.009685	956.9	1.044
45	0.0137187	0.009335	837.0	0.977
46	0.0152849	0.00866169	726.7	0.899
47	0.0166731	0.00849377	620.7	0.853
48	0.0179126	0.008490949	526.8	0.74
49	0.0190269	0.008413663	444.1	0.663
50	0.02009512	0.00835607	370.7	0.553
51	0.0225574	0.008190472	308.7	0.455
52	0.0233920	0.0084488	257.4	0.38
53	0.02350947	0.008243836	216.4	0.330
54	0.02361110	0.0080946544	183.7	0.293
55	0.023888000	0.007953367	154.6	0.255
56	0.02397483	0.007850500	133.5	0.228
57	0.024098388	0.007801882	116.2	0.203
58	0.024288111	0.007691157	103.9	0.180
59	0.024335069	0.007604559	93.8	0.1609
60	0.024410112	0.007534954	85.6	0.1409
	0.0245142	0.00747774	78.5	0.128

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.00	0.006230	*	2.000
46	0.0050470	0.0155334	1484.0	1.413
47	0.00734314	0.0104331	1270.0	1.258
48	0.0092804	0.0088800	1105.9	1.165
49	0.0112400	0.00866965	957.3	1.044
50	0.0122519	0.00898799	837.5	0.977
51	0.01328220	0.00864585	727.1	0.899
52	0.0143292	0.0082856	627.0	0.853
53	0.01538937	0.00847878	527.0	0.74
54	0.01647893	0.00833046	444.3	0.663
55	0.01748063	0.008178145	370.9	0.553
56	0.018495336	0.00803335	308.2	0.455
57	0.01949336	0.007897004	257.5	0.38
58	0.0204744	0.00777070	216.5	0.330
59	0.02142577	0.00765338	183.8	0.293
60	0.02234517	0.0075400784	154.7	0.255
	0.02324527	0.00743114	133.0	0.228
	0.0241273	0.007325717	116.5	0.203
	0.02499527	0.0072248905	103.1	0.180
	0.0258294	0.007127968	93.0	0.1609
	0.0266423	0.00703146	85.0	0.1409
	0.02741758	0.00693620	78.0	0.128
	0.02818204	0.00684226		
	0.02893784			

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
50	1 0.0	630285 .370070	* 2.000	2.000
1	0.052194	10000 .145585	1502.3	1.414
2	0.080946	124 .969008	273.3	1.258
3	0.106020	45 .095420	107.3	1.196
4	0.127827	24 .612500	58.5	1.145
5	0.146909	16 .456035	38.0	1.108
6	0.163740	12 .337036	27.4	1.099
7	0.179705	9 .929349	21.2	1.086
8	0.192109	8 .377121	17.2	1.073
9	0.204196	7 .330423	14.5	1.067
10	0.215566	6 .931831	11.0	1.054
11	0.225156	5 .938981	8.9	1.046
12	0.242747	5 .543007	7.5	1.039
13	0.257756	4 .466151	6.6	1.034
14	0.270737	4 .850117	5.9	1.030
15	0.282093	3 .353003	4.7	1.023
16	0.305163	3 .056528	4.0	1.016
17	0.322835	2 .852785	3.6	1.014
18	0.336897	2 .705768	3.2	1.012
19	0.343337	2 .594603	3.0	1.010
20	0.357833	2 .507551	2.8	1.009
21	0.365899	2 .437500	2.6	1.008
22	0.372798	2 .379891	2.5	1.008
23	0.378781			

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

DF	C-1	C-2	A-2/A-1	REDUCTION
55	1 0.0	630858 .524891	* 2.000	2.000
1	0.053636	10000 .140478	1518.1	1.414
2	0.083030	124 .857858	276.1	1.258
3	0.108633	45 .017922	106.3	1.196
4	0.131013	24 .551382	59.1	1.145
5	0.150584	16 .403613	38.4	1.108
6	0.167863	12 .289752	27.7	1.099
7	0.183245	9 .885378	21.5	1.086
8	0.197039	8 .335391	17.4	1.073
9	0.209499	7 .264094	14.6	1.067
10	0.223113	6 .893705	11.1	1.055
11	0.244931	5 .506730	9.0	1.046
12	0.264836	4 .506730	7.6	1.040
13	0.278344	4 .110758	6.6	1.035
14	0.290150	3 .814510	5.9	1.031
15	0.314205	3 .323616	4.8	1.024
16	0.333271	3 .021084	4.1	1.019
17	0.347455	2 .817171	3.6	1.016
18	0.359495	2 .669938	3.3	1.014
19	0.369532	2 .558545	3.0	1.012
20	0.378038	2 .471265	2.8	1.011
21	0.385344	2 .400953	2.7	1.009
22	0.391692	2 .343174	2.5	1.008
23				

CONFIDENCE LEVEL=.999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
60	0.0	0.553997	1.53	2.000
59	0.054859	0.136082	1.53	1.414
58	0.084799	124.765051	2.78	1.258
57	0.110943	44.553195	4.09	1.186
56	0.133726	24.500319	5.59	1.145
55	0.153705	16.359798	7.38	1.119
54	0.171368	12.250237	9.28	1.100
53	0.187107	9.848600	11.7	1.086
52	0.201235	8.300475	14.7	1.076
51	0.214002	7.230492	17.4	1.067
50	0.225621	5.861770	21.1	1.055
49	0.235492	5.031025	25.9	1.046
48	0.247094	4.476302	31.7	1.040
47	0.254854	4.080661	38.7	1.035
46	0.259705	3.784604	46.0	1.031
45	0.262198	3.522851	54.8	1.024
44	0.264137	3.297230	64.1	1.019
43	0.265657	3.097137	74.6	1.016
42	0.266914	2.923690	86.3	1.014
41	0.267963	2.78074	99.0	1.012
40	0.268857	2.644057	112.8	1.011
39	0.269624	2.537008	127.7	1.010
38	0.240292	2.452067	143.5	1.009

CONFIDENCE LEVEL = .999
 COEFFICIENTS FOR MINIMUM LENGTH CONFIDENCE INTERVAL
 FOR THE RATIO OF TWO STANDARD DEVIATIONS

* EXCESSIVELY LARGE

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0025086	0.863458	1.0000	0.000000
2	0.0033925	0.632741	0.5499	0.021116
3	0.0037733	0.9006935	0.4112	0.041152
4	0.0039755	0.5302333	0.3488	0.055576
5	0.0040986	0.8234330	0.3122	0.065223
6	0.0041807	0.395196	0.2888	0.072004
7	0.0042391	0.108500	0.2722	0.077144
8	0.0042826	0.903314	0.260	0.081140
9	0.0043163	0.749231	0.2500	0.084255
10	0.0043430	0.629429	0.243	0.086821
11	0.0043829	0.455075	0.233	0.090766
12	0.0044110	0.334390	0.223	0.093622
13	0.0044320	0.245916	0.213	0.095800
14	0.0044488	0.178284	0.203	0.097522
15	0.0044611	0.124908	0.193	0.098990
16	0.0044744	0.080435	0.183	0.099742
17	0.0044899	0.968378	0.173	0.099911
18	0.0045102	0.924935	0.163	0.099933
19	0.0045318	0.892494	0.153	0.099955
20	0.0045524	0.867433	0.143	0.099976
21	0.0045729	0.847493	0.133	0.099994
22	0.0045933	0.831247	0.123	0.099999
23	0.0046136	0.817758	0.113	0.099999

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.079159	0.476397	0.823	0.021116
3	0.111111	0.000000	0.000	0.000000
4	0.126620	0.326490	0.747	0.004511
5	0.135363	0.204129	0.627	0.011033
6	0.141333	0.679555	0.557	0.01687
7	0.145335	0.361729	0.511	0.02163
8	0.148301	0.148902	0.479	0.02548
9	0.150559	0.996539	0.456	0.02866
10	0.152340	0.882126	0.437	0.03131
11	0.153781	0.793074	0.423	0.03354
12	0.155967	0.663477	0.401	0.03571
13	0.157547	0.573727	0.386	0.03719
14	0.158741	0.507905	0.375	0.04189
15	0.159676	0.457571	0.366	0.04353
16	0.160426	0.417835	0.359	0.04496
17	0.161785	0.347478	0.347	0.04753
18	0.162699	0.301389	0.339	0.04930
19	0.163348	0.268860	0.333	0.05059
20	0.163838	0.244674	0.328	0.05157
21	0.164221	0.225937	0.325	0.05233
22	0.164577	0.211115	0.322	0.05299
23	0.164778	0.198998	0.320	0.05346
24	0.164937	0.188935	0.318	0.05382

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.112272	26.501649	2.425	1.004192
4	0.1160604	7.897632	1.3338	1.00451
5	0.1185502	5.390773	1.0000	1.000000
6	0.1200490	4.467110	0.837	1.00158
7	0.1210469	3.992901	0.741	1.00436
8	0.1221758	3.705351	0.673	1.00719
9	0.1232903	3.512637	0.634	1.00976
10	0.1243032	3.374563	0.600	1.01204
11	0.1253039	3.270805	0.575	1.01464
12	0.1262955	3.189995	0.554	1.0178
13	0.1272711	3.122297	0.534	1.02367
14	0.1282407	3.069071	0.503	1.03095
15	0.1291948	3.030830	0.486	1.02788
16	0.1301443	3.000100	0.474	1.02423
17	0.1310893	2.984881	0.464	1.02533
18	0.1320300	2.978469	0.446	1.02790
19	0.1329664	2.974265	0.434	1.02957
20	0.1338970	2.971296	0.425	1.03081
21	0.1348255	2.969087	0.419	1.03176
22	0.1357532	2.967380	0.414	1.03253
23	0.1366846	2.966022	0.410	1.03313
24	0.1376145	2.964914	0.407	1.03364
25	0.1385479	2.963994	0.404	1.03407

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.132798	25.153932	2.870	1.005576
5	0.1349255	7.376653	1.595	1.004509
6	0.1362339	4.987776	1.133	1.000000
7	0.1374347	4.107250	1.0000	1.000000
8	0.1385680	3.654719	0.835	1.000033
9	0.1396643	3.380001	0.808	1.000213
10	0.1407376	3.195635	0.754	1.000377
11	0.1417950	3.063497	0.715	1.000525
12	0.1428411	2.964074	0.681	1.000669
13	0.1438791	2.886577	0.656	1.000800
14	0.1449133	2.773590	0.618	1.000930
15	0.1459468	2.695179	0.591	1.001077
16	0.1469711	2.637573	0.571	1.001273
17	0.1479862	2.593458	0.555	1.001504
18	0.1489925	2.558531	0.543	1.001823
19	0.1499901	2.536756	0.520	1.002193
20	0.1509788	2.526175	0.505	1.002628
21	0.1519622	2.527495	0.494	1.003098
22	0.1529413	2.540615	0.486	1.003615
23	0.1539163	2.538964	0.480	1.004261
24	0.1548875	2.537649	0.475	1.004920
25	0.1558573	2.536578	0.470	1.005609
26	0.1568281	2.535681	0.467	1.006311

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.2146554	24.398616	3.207	.06523
2	0.213696	7.075475	1.795	.01687
3	0.2350444	4.751291	1.349	.00436
4	0.273615	3.894047	1.131	.00072
5	0.289605	3.452982	1.000	.00000
6	0.301317	3.184905	0.913	.00038
7	0.3110276	3.004840	0.851	.00020
8	0.3173355	2.875567	0.804	.00016
9	0.3223092	2.778244	0.768	.00036
10	0.327837	2.702320	0.738	.00043
11	0.3335233	2.591509	0.694	.000589
12	0.3340725	2.514510	0.663	.000742
13	0.3344978	2.457883	0.639	.000873
14	0.3348335	2.414432	0.621	.000986
15	0.3351119	2.380153	0.606	.001083
16	0.3356202	2.319211	0.579	.001274
17	0.3359679	2.279172	0.561	.001446
18	0.3362208	2.250851	0.548	.001532
19	0.3364130	2.229759	0.539	.001603
20	0.3365640	2.215440	0.531	.001677
21	0.3366858	2.200439	0.525	.001733
22	0.3367861	2.189837	0.520	.001780
23	0.3368701	2.181026	0.516	.001820

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.2156367	23.519501	3.469	.07204
2	0.2292667	6.879939	1.955	.02169
3	0.269880	4.595994	1.475	.00719
4	0.2995858	3.752984	1.238	.00215
5	0.3133981	3.318768	1.095	.00033
6	0.327380	3.054551	1.000	.00000
7	0.337707	2.876885	0.932	.00023
8	0.345918	2.749205	0.880	.00074
9	0.352608	2.652993	0.840	.00037
10	0.358166	2.577874	0.807	.000205
11	0.363675	2.468119	0.758	.000339
12	0.3673390	2.391758	0.723	.000461
13	0.3708430	2.335542	0.696	.000571
14	0.3732495	2.292417	0.675	.000667
15	0.3755803	2.258231	0.653	.000752
16	0.3779927	2.197620	0.628	.000922
17	0.3796137	2.157717	0.608	.001052
18	0.3809209	2.129467	0.593	.001155
19	0.401330	2.108433	0.582	.001233
20	0.4033356	2.092216	0.573	.001333
21	0.4048833	2.079125	0.566	.001349
22	0.4061111	2.068528	0.561	.001395
23	0.407141	2.059718	0.556	.001433

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.173935	0.168157	0.8944	0.08425
10	0.257591	0.256425	0.286	0.03131
15	0.305735	0.341618	0.740	0.01404
20	0.337374	0.519643	0.468	0.00669
25	0.359940	0.095095	0.303	0.00316
30	0.376933	0.836013	0.131	0.00137
35	0.390233	0.661310	0.110	0.00049
40	0.400949	0.535429	0.049	0.00010
45	0.409779	0.440340	0.000	0.00000
50	0.417183	0.365932	0.961	0.00007
55	0.428542	0.256898	0.901	0.00048
60	0.437853	0.180772	0.857	0.00103
65	0.444862	0.124560	0.824	0.00162
70	0.450512	0.081328	0.798	0.00220
75	0.455170	0.047032	0.776	0.00274
80	0.463882	0.985901	0.738	0.00392
85	0.469943	0.943343	0.711	0.00490
90	0.474406	0.916892	0.692	0.00569
95	0.477830	0.895493	0.678	0.00634
100	0.480541	0.873900	0.660	0.00688
105	0.482740	0.865655	0.637	0.00734
110	0.484560	0.854836	0.650	0.00773
115	0.486092	0.845334	0.644	0.00807

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.177638	0.025338	4.115	0.08682
15	0.263638	0.502755	2.364	0.03554
20	0.313480	0.291445	0.804	0.01578
25	0.346431	0.473220	0.524	0.00801
30	0.370052	0.050297	0.354	0.00413
35	0.387917	0.792003	0.239	0.00205
40	0.401950	0.617697	0.153	0.00092
45	0.413293	0.492008	0.091	0.00034
50	0.422666	0.396999	0.041	0.00007
55	0.430551	0.322604	0.000	0.00000
60	0.443093	0.213497	0.937	0.00018
65	0.452650	0.137239	0.892	0.00057
70	0.460176	0.080380	0.857	0.00103
75	0.466263	0.037500	0.829	0.00150
80	0.471291	0.003062	0.807	0.00197
85	0.480723	0.941620	0.766	0.00301
90	0.487308	0.901009	0.738	0.00389
95	0.492168	0.872133	0.718	0.00462
100	0.495904	0.850536	0.702	0.00522
105	0.498866	0.833831	0.690	0.00573
110	0.501273	0.820437	0.681	0.00617
115	0.503267	0.809568	0.673	0.00654
120	0.504947	0.800477	0.666	0.00687

CONFIDENCE LEVEL=.8
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.383336	22.81649	4.307	.09076
13	0.372965	6.411597	2.491	.03710
14	0.3625489	4.216648	.909	.01867
15	0.3605444	3.403730	.617	.01030
16	0.385876	2.983019	.440	.00589
17	0.405167	2.725727	.339	.00339
18	0.420413	2.551862	.233	.00190
19	0.432801	2.426329	.164	.00101
20	0.443086	2.331320	.110	.00048
21	0.451774	2.256339	.067	.00008
22	0.45567	2.147437	.000	.00000
23	0.476318	2.070826	0.951	.00011
24	0.484750	2.014111	0.913	.00033
25	0.491599	1.970393	0.894	.00063
26	0.497277	1.935642	0.859	.00098
27	0.500798	1.873527	0.855	.00178
28	0.5015505	1.832379	0.784	.00249
29	0.5021081	1.803090	0.762	.00311
30	0.5025333	1.781169	0.745	.00363
31	0.5027880	1.764141	0.731	.00408
32	0.5033590	1.750329	0.721	.00447
33	0.5033503	1.739393	0.712	.00481
34	0.5033854	1.730125	0.704	.00511

CONFIDENCE LEVEL=.3
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.187463	22.670385	4.453	.09362
15	0.179820	6.347310	2.539	.03979
16	0.334369	4.263370	.999	.02095
17	0.371032	3.554196	.699	.01217
18	0.3876922	2.934836	.608	.00742
19	0.4181021	2.678164	.504	.00461
20	0.4343306	2.504490	.422	.00337
21	0.4475333	2.373255	.322	.002175
22	0.4585513	2.283846	.227	.001403
23	0.4678993	2.209212	.121	.00057
24	0.4828999	2.099435	.051	.00011
25	0.494454	2.022134	.000	.00000
26	0.503643	1.965343	0.960	.00007
27	0.511136	1.9221278	0.929	.00023
28	0.517368	1.886209	0.903	.00044
29	0.5229171	1.823419	0.855	.00103
30	0.5337505	1.781737	0.832	.00161
31	0.5437099	1.752020	0.798	.00212
32	0.548511	1.729747	0.780	.00258
33	0.552333	1.712427	0.766	.00298
34	0.5555464	1.698569	0.754	.00332
35	0.558061	1.687227	0.744	.00363
36	0.560258	1.677773	0.736	.00390

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.190624	22.563123	4.568	.09580
21	0.285070	6.299559	2.667	.04189
31	0.341200	4.123957	2.057	.02378
41	0.379136	3.317099	1.751	.01373
51	0.406854	2.898736	1.564	.00873
61	0.428166	2.642354	1.437	.00571
71	0.445153	2.468744	1.343	.00377
81	0.459061	2.343139	1.271	.00249
91	0.470686	2.247890	1.214	.00162
101	0.480566	2.173082	1.167	.00103
111	0.496497	2.062921	1.095	.00035
121	0.508817	1.985532	.041	.00007
131	0.518669	1.928079	.000	.00000
141	0.526695	1.883680	0.967	.00005
151	0.533403	1.848307	0.940	.00016
161	0.546159	1.784876	0.890	.00057
171	0.555207	1.742686	0.855	.00103
181	0.561957	1.712558	0.830	.00146
191	0.567215	1.689950	0.810	.00183
201	0.571408	1.672350	0.795	.00220
211	0.574833	1.658256	0.782	.00252
221	0.577694	1.646712	0.772	.00279
231	0.580112	1.637082	0.763	.00304

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.193114	22.480938	4.661	.09752
13	0.289220	6.262701	2.730	.04358
23	0.346619	4.093266	2.112	.02429
33	0.385386	3.283277	1.801	.01504
43	0.414168	2.870584	1.611	.00986
53	0.436221	2.614410	1.481	.00667
63	0.453385	2.440800	1.386	.00459
73	0.468330	2.315093	1.312	.00319
83	0.480462	2.219695	1.254	.00220
93	0.490798	2.144712	1.206	.00150
103	0.507513	2.034179	1.132	.00065
113	0.520437	1.956426	1.077	.00023
123	0.530876	1.898633	1.034	.00005
133	0.539397	1.853923	1.000	.00000
143	0.546520	1.818263	0.972	.00003
153	0.560112	1.754238	0.920	.00029
163	0.569793	1.711373	0.884	.00064
173	0.577050	1.681062	0.857	.00100
183	0.583722	1.658138	0.836	.00133
193	0.589727	1.640274	0.820	.00164
203	0.590927	1.625956	0.807	.00192
213	0.594019	1.614220	0.796	.00217
223	0.596638	1.604423	0.786	.00239

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

20	DF	C - 1	C - 2	A - 2/A - 1	REDUCTION
	1	0.195125	22.415981	4.738	.09890
	2	0.192583	6.233395	2.733	.04496
	3	0.135102	4.068790	2.157	.02553
	4	0.090940	3.265239	1.843	.01614
	5	0.042014	2.848038	1.650	.01083
	6	0.044281	2.591993	1.519	.00753
	7	0.046099	2.478350	1.422	.00532
	8	0.047594	2.392533	1.347	.00388
	9	0.048351	2.349693	1.288	.00274
	10	0.049933	2.312183	1.239	.00197
	20	0.051662	2.121832	1.164	.00098
	30	0.053301	2.010951	1.107	.00044
	40	0.054499	1.932861	1.064	.00016
	50	0.055746	1.879759	1.029	.00003
	60	0.057179	1.793843	1.000	.00000
	70	0.058204	1.729261	0.946	.00003
	80	0.058974	1.686155	0.909	.00038
	90	0.059397	1.655236	0.881	.00067
	100	0.059577	1.632057	0.859	.00096
	200	0.060053	1.613935	0.842	.00122
	300	0.060453	1.599426	0.828	.00147
	400	0.060784	1.587509	0.817	.00169
	500	0.061064	1.577556	0.807	.00190

CONFIDENCE LEVEL = .8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

25	DF	C - 1	C - 2	A - 2/A - 1	REDUCTION
	1	0.198790	22.300851	4.880	.10142
	2	0.196732	6.181053	2.883	.04753
	3	0.139106	4.024908	2.244	.02790
	4	0.090520	3.223313	1.923	.01929
	5	0.043118	2.807397	1.727	.01274
	6	0.045503	2.551495	1.592	.00923
	7	0.047425	2.377709	1.493	.00685
	8	0.049014	2.251614	1.417	.00516
	9	0.050355	2.155721	1.356	.00393
	10	0.051303	2.080139	1.306	.00301
	20	0.053375	1.968561	1.227	.00178
	30	0.054842	1.889747	1.169	.00103
	40	0.056026	1.830969	1.124	.00057
	50	0.057000	1.785357	1.087	.00029
	60	0.057828	1.748880	1.057	.00013
	70	0.058414	1.683101	1.000	.00000
	80	0.058956	1.659034	0.960	.00007
	90	0.059421	1.607379	0.930	.00022
	100	0.060099	1.583507	0.907	.00040
	200	0.062064	1.564343	0.889	.00053
	300	0.063096	1.549845	0.873	.00076
	400	0.063473	1.537522	0.861	.00093
	500	0.063794	1.527214	0.850	.00109

CONFIDENCE LEVEL = .8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.201265	0.225394	4.979	0.103111
31	0.302903	0.146468	2.933	0.049330
32	0.364611	0.995780	2.306	0.029577
33	0.407137	0.196226	1.981	0.01982
34	0.438756	0.780256	1.782	0.01466
35	0.463453	0.524381	1.646	0.01052
36	0.483421	0.350437	1.545	0.00802
37	0.499984	0.224096	1.463	0.00623
38	0.513395	0.127917	1.406	0.00490
39	0.526036	0.052092	1.353	0.00389
40	0.545739	0.939845	1.275	0.00249
41	0.561250	0.860449	1.216	0.00169
42	0.573827	0.800113	1.169	0.00103
43	0.584253	0.755024	1.132	0.00064
44	0.593506	0.718094	1.100	0.00039
45	0.601036	0.653339	1.042	0.00007
46	0.607247	0.608479	1.000	0.00000
47	0.613388	0.574270	0.969	0.00004
48	0.619290	0.549750	0.944	0.00004
49	0.625028	0.530621	0.925	0.00005
50	0.630623	0.515211	0.909	0.00008
51	0.636139	0.502549	0.893	0.00005
52	0.641579	0.491936	0.884	0.00006

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.203048	0.172138	3.032	0.04332
56	0.305917	0.121910	2.005	0.05059
57	0.368600	0.973039	2.332	0.02098
58	0.412194	0.765337	2.024	0.01098
59	0.444276	0.608446	1.824	0.00523
60	0.469601	0.504954	1.686	0.00354
61	0.490133	0.350863	1.585	0.00270
62	0.507203	0.230434	1.507	0.00169
63	0.521678	0.107899	1.445	0.00069
64	0.533444	0.031827	1.393	0.00046
65	0.544603	0.919036	1.353	0.00033
66	0.555707	0.839219	1.252	0.00046
67	0.566392	0.779464	1.205	0.00000
68	0.576486	0.732952	1.167	0.00000
69	0.586041	0.695650	1.135	0.00067
70	0.595223	0.628091	1.075	0.00022
71	0.603525	0.582371	1.032	0.00004
72	0.611452	0.549712	1.000	0.00000
73	0.619320	0.524826	0.975	0.00003
74	0.626539	0.503300	0.954	0.00009
75	0.634968	0.489556	0.938	0.00007
76	0.643588	0.476584	0.923	0.00006
77	0.652295	0.465705	0.911	0.00003

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

40	DF	C-1	C-2	A-2/A-1	REDUCTION
	0.	0.0204395	22.132550	5.11071	1.10535
	0.	0.3081997	6.103575	3.0045	1.05155
	0.	0.3771626	3.959599	2.337	1.02176
	0.	0.4156202	2.61778	1.6338	1.00288
	0.	0.4484790	1.746274	1.0557	1.00233
	0.	0.4743900	1.490350	0.713	1.00096
	0.	0.495258	1.316129	0.677	1.00077
	0.	0.5127287	1.188940	0.538	1.00063
	0.	0.527567	1.092794	0.475	1.00053
	0.	0.540369	1.021659	0.424	1.00043
	0.	0.5514299	0.960337	0.382	1.00033
	0.	0.5617814	0.903311	0.343	1.00023
	0.	0.5719147	0.850000	0.304	1.00014
	0.	0.5808086	0.801553	0.264	1.00009
	0.	0.5892220	0.756103	0.226	1.00003
	0.	0.5965266	0.713423	0.190	1.00000
	0.	0.6035812	0.673090	0.156	1.00000
	0.	0.6104176	0.635256	0.123	1.00000
	0.	0.6170982	0.600756	0.097	1.00000
	0.	0.6236334	0.568971	0.073	1.00000
	0.	0.6299407	0.539847	0.054	1.00000
	0.	0.635493	0.513369	0.035	1.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

45	DF	C-1	C-2	A-2/A-1	REDUCTION
	0.	0.0059447	22.101970	5.133	1.00596
	0.	0.3099338	6.089364	3.077	1.00523
	0.	0.373938	3.947469	2.416	1.00225
	0.	0.4184722	2.650303	1.685	1.00267
	0.	0.4517355	1.734935	1.083	1.00167
	0.	0.4779985	1.478969	0.744	1.00096
	0.	0.499304	1.204635	0.642	1.00083
	0.	0.5170932	1.077763	0.564	1.00068
	0.	0.5322260	0.980939	0.500	1.00057
	0.	0.5453300	0.904545	0.449	1.00040
	0.	0.5568482	0.841039	0.367	1.00029
	0.	0.566967	0.781048	0.306	1.00020
	0.	0.5759334	0.725006	0.258	1.00016
	0.	0.5839634	0.672936	0.217	1.00012
	0.	0.5919596	0.625065	0.184	1.00008
	0.	0.5999041	0.581330	0.153	1.00005
	0.	0.6073330	0.541971	0.121	1.00002
	0.	0.6153333	0.505931	0.093	1.00000
	0.	0.6233058	0.473033	0.071	1.00000
	0.	0.6308186	0.443833	0.054	1.00000
	0.	0.6386113	0.418419	0.043	1.00000
	0.	0.6469137	0.395910	0.034	1.00000
	0.	0.6554440	0.375104	0.027	1.00000
	0.		0.3554	0.021	1.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.206292	22.077639	5.187	.1C654
1	0.311418	66.078027	5.102	.05297
2	0.375909	33.937843	2.439	.03333
3	0.420737	33.141127	2.107	.02320
4	0.454455	33.725851	1.904	.01733
5	0.480971	33.469851	1.766	.01349
6	0.502578	33.295419	1.663	.01081
7	0.520629	33.169421	1.585	.00884
8	0.536005	33.071508	1.521	.00734
9	0.549303	33.994920	1.469	.00617
10	0.561256	33.881149	1.438	.00447
11	0.588733	33.800298	1.327	.00332
12	0.603043	33.733622	1.279	.00252
13	0.615023	33.692257	1.240	.00192
14	0.625224	33.654155	1.207	.00144
15	0.634533	33.584874	1.175	.00107
16	0.655997	33.537910	1.100	.00038
17	0.671341	33.503332	1.067	.00027
18	0.680405	33.477904	1.040	.00006
19	0.688781	33.457475	1.018	.00001
20	0.693980	33.440942	1.000	.00000
21	0.699233	33.427274	0.985	.00000
22	0.703721	33.415778	0.972	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.206936	22.057322	5.216	.1C701
1	0.312598	66.063777	5.124	.05349
2	0.377488	33.929975	2.453	.03564
3	0.422633	33.133621	2.126	.02369
4	0.456665	33.718419	1.922	.01780
5	0.483446	33.462332	1.733	.01395
6	0.505233	33.287864	1.681	.01134
7	0.523355	33.160757	1.602	.00935
8	0.539333	33.063726	1.539	.00777
9	0.553366	33.987015	1.437	.00654
10	0.574911	33.873000	1.405	.00433
11	0.592683	33.791915	1.344	.00303
12	0.607271	33.731019	1.295	.00217
13	0.620994	33.683449	1.257	.00169
14	0.635091	33.645165	1.224	.00133
15	0.650339	33.575451	1.162	.00093
16	0.665536	33.529130	1.117	.00054
17	0.677233	33.493745	1.083	.00036
18	0.686587	33.467552	1.056	.00022
19	0.694242	33.446892	1.034	.00005
20	0.700683	33.430155	1.016	.00000
21	0.706062	33.416305	1.000	.00000
22	0.710729	33.404646	0.987	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

60 DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.207565	22.041367	5.241	.10740
2	0.313584	6.061075	3.142	.05392
3	0.378795	3.923426	2.475	.03407
4	0.424290	3.127367	2.141	.02410
5	0.458500	2.712222	1.938	.01820
6	0.485503	2.456150	1.799	.01433
7	0.507552	2.281358	1.696	.01166
8	0.526010	2.154357	1.617	.00960
9	0.541761	2.057223	1.554	.00807
10	0.555408	1.980407	1.502	.00687
11	0.567992	1.866180	1.420	.00590
12	0.579602	1.784893	1.359	.00390
13	0.610843	1.723806	1.311	.00304
14	0.623277	1.676057	1.272	.00239
15	0.635892	1.637607	1.239	.00190
16	0.654787	1.567523	1.177	.00100
17	0.670270	1.519337	1.132	.00063
18	0.682266	1.485232	1.097	.00036
19	0.692865	1.453804	1.070	.00019
20	0.699739	1.437938	1.048	.00009
21	0.706326	1.422018	1.029	.00003
22	0.711921	1.407006	1.014	.00001
23	0.716745	1.395201	1.000	.00000

CONFIDENCE LEVEL=.8
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.006194	161.447639	1.0000	1.00000
2	0.008641	27.570305	0.525	1.01814
3	0.009762	16.213918	0.380	1.03697
4	0.010367	12.601221	0.312	1.04978
5	0.010735	10.881137	0.274	1.05862
6	0.010980	9.885648	0.249	1.06499
7	0.011153	9.239456	0.232	1.06976
8	0.011292	8.787164	0.220	1.07347
9	0.011381	8.453295	0.210	1.07642
10	0.011455	8.196916	0.203	1.07882
12	0.011575	7.829325	0.192	1.08249
14	0.011657	7.578650	0.184	1.08576
16	0.011717	7.396858	0.179	1.08879
18	0.011763	7.259023	0.174	1.09178
20	0.011800	7.150944	0.171	1.09407
25	0.011866	6.961167	0.165	1.09724
30	0.011909	6.837966	0.160	1.09957
35	0.011939	6.751548	0.158	1.09951
40	0.011962	6.687536	0.155	1.09959
45	0.011979	6.638337	0.154	1.09966
50	0.011993	6.599247	0.153	1.09971
55	0.012005	6.567463	0.151	1.09975
60	0.012014	6.541119	0.151	1.09979

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.036271	115.722722	1.906	1.01814
3	0.052632	19.000000	1.000	1.00000
4	0.061066	10.934086	0.721	1.00427
5	0.066035	8.386918	0.590	1.01061
6	0.069269	7.173333	0.514	1.01622
7	0.071527	6.473875	0.465	1.02083
8	0.073188	6.020296	0.431	1.02460
9	0.074459	5.703029	0.406	1.02770
10	0.075462	5.468933	0.387	1.03029
12	0.076272	5.289227	0.372	1.03246
14	0.077500	5.031642	0.349	1.03592
16	0.078387	4.835602	0.334	1.03853
18	0.079056	4.728692	0.322	1.04057
20	0.079578	4.632156	0.313	1.04221
25	0.079998	4.556462	0.306	1.04355
30	0.080756	4.423360	0.293	1.04603
35	0.081263	4.337283	0.295	1.04774
40	0.081626	4.276766	0.279	1.04899
45	0.081899	4.231974	0.274	1.04994
50	0.082111	4.197484	0.271	1.05068
55	0.082291	4.170103	0.268	1.05128
55	0.082420	4.147852	0.266	1.05178
60	0.082536	4.129403	0.264	1.05220

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3				
1	0.0611675	02.434714	2.6333	1.03697
2	0.091457	16.375660	1.387	1.00427
3	0.107798	9.276628	1.000	1.00000
4	0.117897	7.040445	0.816	1.00154
5	0.124708	5.980586	0.709	1.00028
6	0.129596	5.368655	0.640	1.000707
7	0.133270	4.971965	0.591	1.000562
8	0.136129	4.694524	0.555	1.001187
9	0.138416	4.489813	0.527	1.001384
10	0.140286	4.332666	0.505	1.001557
12	0.143159	4.107385	0.473	1.001842
14	0.145263	3.933765	0.450	1.002067
16	0.146869	3.842355	0.432	1.002247
18	0.148136	3.757376	0.419	1.002395
20	0.149159	3.691626	0.409	1.002518
25	0.151026	3.575276	0.390	1.002751
30	0.152287	3.499723	0.377	1.002915
35	0.153319	3.446715	0.369	1.003066
40	0.154388	3.407474	0.362	1.003130
45	0.155442	3.377253	0.357	1.003194
50	0.156485	3.353263	0.353	1.003254
55	0.157520	3.333753	0.350	1.003314
60	0.158550	3.317588	0.347	1.003356

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4				
1	0.0793357	96.464485	3.201	1.04578
2	0.113276	15.143404	1.695	1.001061
3	0.142036	8.432010	1.225	1.00154
4	0.156538	6.338233	1.000	1.00000
5	0.166550	5.396582	0.868	1.00071
6	0.173869	4.824117	0.782	1.00021
7	0.179449	4.452974	0.721	1.000363
8	0.183844	4.193347	0.675	1.000529
9	0.187394	4.001736	0.641	1.000663
10	0.190320	3.893459	0.613	1.000797
12	0.194862	3.643587	0.573	1.001024
14	0.198223	3.499629	0.543	1.001210
16	0.200809	3.395179	0.521	1.001365
18	0.202862	3.315948	0.504	1.001494
20	0.204530	3.253793	0.490	1.001604
25	0.207593	3.144585	0.466	1.001816
30	0.209679	3.073630	0.450	1.001968
35	0.211191	3.023823	0.438	1.002083
40	0.212337	2.986948	0.430	1.002172
45	0.213236	2.953539	0.423	1.002243
50	0.213960	2.933982	0.418	1.002301
55	0.214553	2.917639	0.414	1.002350
60	0.215053	2.902430	0.410	1.002391

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.091902	93.155183	3.650	1.05862
2	0.139405	14.436512	1.945	1.01622
3	0.167208	8.018760	1.410	1.00428
4	0.185302	6.004210	1.152	1.00071
5	0.198007	5.050329	1.000	1.00000
6	0.207419	4.499586	0.900	1.00033
7	0.214674	4.142413	0.829	1.00119
8	0.220439	3.892463	0.776	1.00216
9	0.225130	3.707921	0.736	1.00315
10	0.229022	3.566154	0.703	1.00411
12	0.235109	3.362741	0.654	1.00588
14	0.239552	3.223373	0.619	1.00741
16	0.243171	3.123053	0.593	1.00871
18	0.245979	3.046547	0.572	1.00983
20	0.248271	3.986499	0.557	1.01030
25	0.252502	2.830930	0.523	1.01270
30	0.255403	2.812292	0.506	1.01410
35	0.257514	2.764090	0.493	1.01517
40	0.259121	2.728379	0.483	1.01601
45	0.260334	2.700862	0.477	1.01669
50	0.261403	2.679008	0.470	1.01725
55	0.262242	2.661232	0.465	1.01772
60	0.262946	2.646490	0.461	1.01812

CONFIDENCE LEVEL=.9
SHCRTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.101157	91.077853	4.009	1.06499
2	0.154467	13.930096	2.149	1.02033
3	0.186266	7.716267	1.563	1.00707
4	0.207292	5.751463	1.279	1.00212
5	0.222243	4.822156	1.111	1.00038
6	0.233434	4.283866	1.000	1.00000
7	0.242134	3.935272	0.921	1.00023
8	0.249096	3.691214	0.862	1.00074
9	0.254796	3.510939	0.815	1.00137
10	0.259549	3.372388	0.779	1.00205
12	0.267030	3.173470	0.724	1.00338
14	0.272652	3.037569	0.685	1.00461
16	0.277032	2.933843	0.655	1.00570
18	0.280542	2.863875	0.632	1.00666
20	0.283417	2.805011	0.614	1.00751
25	0.289375	2.701453	0.580	1.00921
30	0.292430	2.634065	0.558	1.01050
35	0.295118	2.586714	0.542	1.01149
40	0.297139	2.551617	0.530	1.01228
45	0.298786	2.524561	0.521	1.01292
50	0.300092	2.503067	0.514	1.01346
55	0.301171	2.485580	0.508	1.01391
60	0.302075	2.471073	0.502	1.01429

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.1082231	89.662264	4.303	1.06976
1	0.166105	13.663361	2.319	1.02460
2	0.201128	7.503560	1.692	1.00962
3	0.224569	5.572600	1.387	1.00368
4	0.241405	4.658222	1.206	1.00119
5	0.254112	4.129945	1.086	1.00023
6	0.264058	3.787044	1.000	1.00000
7	0.272064	3.546854	0.936	1.00015
8	0.278651	3.369351	0.885	1.00049
9	0.284168	3.232867	0.845	1.00092
10	0.292897	3.036794	0.785	1.00190
12	0.299495	2.902732	0.741	1.00237
14	0.304661	2.805276	0.709	1.00277
16	0.308817	2.731228	0.683	1.00359
18	0.312232	2.673055	0.663	1.00533
20	0.3138598	2.570641	0.626	1.00685
25	0.323006	2.503942	0.601	1.00802
30	0.326240	2.457042	0.583	1.00894
35	0.328715	2.422261	0.569	1.00968
40	0.330669	2.395459	0.559	1.01026
45	0.332251	2.374123	0.551	1.01079
50	0.333359	2.356775	0.544	1.01122
55	0.334558	2.342331	0.538	1.01159
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.113802	88.639906	4.547	1.07347
1	0.175345	13.430157	2.462	1.02770
2	0.213014	7.345974	1.802	1.01137
3	0.239473	5.439394	1.480	1.00522
4	0.256907	4.536411	1.283	1.00216
5	0.270914	4.014521	1.160	1.00074
6	0.281940	3.675610	1.069	1.00015
7	0.290858	3.438101	1.000	1.00000
8	0.2998227	3.262496	0.946	1.00010
9	0.304422	3.127408	0.903	1.00034
10	0.314263	2.933219	0.823	1.00101
12	0.321749	2.800341	0.791	1.00176
14	0.327630	2.703679	0.756	1.00249
16	0.332373	2.630191	0.723	1.00318
18	0.336291	2.572423	0.706	1.00382
20	0.343613	2.570658	0.663	1.00517
25	0.348706	2.404319	0.633	1.00623
30	0.352454	2.357641	0.618	1.00708
35	0.355329	2.323006	0.604	1.00778
40	0.357604	2.296284	0.592	1.00835
45	0.359450	2.275040	0.583	1.00893
50	0.360977	2.257745	0.575	1.00924
55	0.362262	2.243392	0.569	1.00959
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9				
1	0.118297	87.868951	4.753	1.07642
2	0.182851	13.251735	2.585	1.03029
3	0.222726	7.224614	1.897	1.01334
4	0.249892	5.336361	1.560	1.00665
5	0.269693	4.441883	1.360	1.00315
6	0.284824	3.934716	1.226	1.00137
7	0.296793	3.588723	1.129	1.00049
8	0.306514	3.353149	1.057	1.00010
9	0.314575	3.178893	1.000	1.00000
10	0.321374	3.044783	0.954	1.00007
12	0.332221	2.851383	0.885	1.00048
14	0.340501	2.719783	0.833	1.00103
16	0.347034	2.623625	0.797	1.00162
18	0.352324	2.550473	0.768	1.00220
20	0.356696	2.492947	0.744	1.00274
25	0.364905	2.391517	0.700	1.00394
30	0.370637	2.325340	0.671	1.00491
35	0.374870	2.278742	0.650	1.00569
40	0.378123	2.244143	0.634	1.00634
45	0.380703	2.217446	0.621	1.00688
50	0.382798	2.196209	0.611	1.00734
55	0.384534	2.178914	0.603	1.00773
60	0.385996	2.164557	0.596	1.00807

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10				
1	0.121997	87.267830	4.923	1.07882
2	0.189064	13.411097	2.690	1.03246
3	0.233080	7.228313	1.980	1.01557
4	0.259431	5.254302	1.631	1.00797
5	0.280414	4.356387	1.423	1.00411
6	0.296526	3.852331	1.283	1.00205
7	0.309323	3.519042	1.183	1.00092
8	0.319754	3.284909	1.107	1.00034
9	0.328431	3.111643	1.048	1.00007
10	0.335769	2.978237	1.000	1.00000
12	0.347519	2.786237	0.927	1.00018
14	0.356523	2.654653	0.875	1.00057
16	0.363652	2.558812	0.835	1.00103
18	0.369440	2.485839	0.803	1.00150
20	0.374235	2.428455	0.773	1.00197
25	0.383266	2.327170	0.732	1.00302
30	0.389597	2.261028	0.701	1.00390
35	0.394284	2.214422	0.678	1.00462
40	0.397895	2.179802	0.661	1.00523
45	0.400763	2.153067	0.648	1.00574
50	0.403095	2.131797	0.637	1.00617
55	0.405031	2.114469	0.629	1.00654
60	0.406662	2.100080	0.621	1.00687

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

12	CF	C-1	C-2	A-2/A-1	REDUCTION
	1	0.127725	86.393161	5.2111	1.08249
	2	0.198742	12.903173	5.8663	1.03592
	3	0.243464	6.985224	2.116	1.01843
	4	0.274455	5.131833	1.749	1.01034
	5	0.297376	4.253340	1.529	1.00588
	6	0.315113	3.744892	1.381	1.00338
	7	0.329295	3.414169	1.274	1.00190
	8	0.340922	3.181998	1.193	1.00101
	9	0.350646	3.010044	1.130	1.00048
	10	0.358907	2.877543	1.078	1.00018
	12	0.372213	2.686637	1.000	1.00000
	14	0.382479	2.555625	0.943	1.00011
	16	0.390654	2.460073	0.899	1.00035
	18	0.397323	2.387262	0.865	1.00066
	20	0.402871	2.329913	0.837	1.00098
	25	0.413379	2.228579	0.787	1.00178
	30	0.420795	2.162288	0.752	1.00250
	35	0.426312	2.115512	0.727	1.00311
	40	0.430579	2.080727	0.708	1.00364
	45	0.433979	2.052832	0.693	1.00409
	50	0.436752	2.032429	0.681	1.00448
	55	0.439057	2.014977	0.671	1.00481
	60	0.441003	2.000477	0.663	1.00511

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

14	DF	C-1	C-2	A-2/A-1	REDUCTION
	1	0.131950	85.788621	5.4229	1.08516
	2	0.205930	12.757296	2.998	1.03853
	3	0.252923	6.884056	2.225	1.02067
	4	0.285745	5.044834	1.844	1.01210
	5	0.310186	4.172724	1.615	1.00741
	6	0.329211	3.667681	1.460	1.00461
	7	0.344503	3.338949	1.349	1.00287
	8	0.357099	3.108013	1.264	1.00176
	9	0.367676	2.936850	1.197	1.00103
	10	0.376695	2.804866	1.143	1.00057
	12	0.391294	2.614520	1.060	1.00011
	14	0.402621	2.483726	1.000	1.00000
	16	0.411683	2.388224	0.954	1.00007
	18	0.419105	2.315375	0.917	1.00023
	20	0.425302	2.257942	0.887	1.00044
	25	0.437096	2.136324	0.833	1.00103
	30	0.445467	2.089735	0.795	1.00161
	35	0.451722	2.042684	0.768	1.00215
	40	0.456578	2.000765	0.747	1.00258
	45	0.460457	1.980555	0.731	1.00298
	50	0.463628	1.958959	0.718	1.00333
	55	0.466269	1.941344	0.707	1.00363
	60	0.468504	1.926699	0.698	1.00391

CONFIDENCE LEVEL=.9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.135193	85.346558	5.602	1.08719
2	0.211475	12.649334	3.107	1.04057
3	0.260257	6.808769	2.513	1.02247
4	0.294535	4.979845	1.921	1.01365
5	0.320199	4.112329	1.685	1.00871
6	0.340270	3.609692	1.526	1.00570
7	0.356471	3.282335	1.411	1.00377
8	0.369866	3.052221	1.324	1.00249
9	0.381152	2.881560	1.254	1.00162
10	0.390806	2.749882	1.198	1.00103
12	0.406492	2.559810	1.112	1.00035
14	0.418721	2.426056	1.049	1.00007
16	0.428544	2.333434	1.000	1.00000
18	0.436618	2.260511	0.961	1.00005
20	0.443379	2.202932	0.930	1.00016
25	0.456301	2.100925	0.872	1.00037
30	0.465519	2.033973	0.833	1.00103
35	0.472435	1.986605	0.803	1.00146
40	0.477820	1.951303	0.781	1.00185
45	0.482133	1.923965	0.764	1.00220
50	0.485667	1.902165	0.750	1.00251
55	0.488615	1.884570	0.738	1.00279
60	0.491113	1.869569	0.728	1.00304

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.137760	85.009563	5.742	1.08578
2	0.215882	12.566242	3.197	1.04221
3	0.266108	6.750372	2.386	1.02395
4	0.301573	4.929453	1.986	1.01494
5	0.328240	4.065392	1.745	1.00933
6	0.349177	3.564533	1.582	1.00666
7	0.366136	3.238163	1.464	1.00459
8	0.380200	3.008626	1.374	1.00313
9	0.392084	2.838296	1.303	1.00230
10	0.402275	2.706800	1.245	1.00150
12	0.418890	2.516844	1.156	1.00066
14	0.431896	2.386035	1.090	1.00023
16	0.442378	2.290332	1.040	1.00005
18	0.451020	2.217197	1.000	1.00000
20	0.458275	2.159443	0.967	1.00003
25	0.472196	2.057006	0.907	1.00029
30	0.482170	1.989670	0.865	1.00064
35	0.489681	1.941972	0.834	1.00100
40	0.495544	1.906336	0.811	1.00133
45	0.500253	1.878806	0.792	1.00164
50	0.504117	1.856796	0.777	1.00192
55	0.507348	1.838818	0.765	1.00217
60	0.510088	1.823856	0.754	1.00239

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20				
1	0.139842	84.744339	5.8591	.09007
2	0.219469	12.500332	3.2711	.04355
3	0.270383	6.704246	2.4471	.02518
4	0.307334	4.889250	2.0400	.01604
5	0.334840	4.027864	1.7955	.01080
6	0.356505	3.528367	1.6300	.00751
7	0.374104	3.202743	1.5099	.00533
8	0.388738	2.973613	1.4171	.00382
9	0.401132	2.803505	1.3455	.00274
10	0.411784	2.672117	1.2855	.00197
12	0.429201	2.482184	1.1994	.00092
14	0.442881	2.351271	1.1227	.00044
16	0.453940	2.255409	1.0755	.00016
18	0.463092	2.182094	1.0344	.00003
20	0.470775	2.124155	1.0000	.00000
25	0.485584	2.021279	0.9337	.00013
30	0.496239	1.933558	0.8944	.00008
35	0.504286	1.890531	0.8662	.00006
40	0.510586	1.869666	0.8337	.00003
45	0.515655	1.841845	0.8113	.00002
50	0.519824	1.819627	0.8002	.00001
55	0.523314	1.801463	0.7899	.00001
60	0.526278	1.786347	0.7788	.00001

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25				
1	0.143654	84.276825	6.0788	.09240
2	0.226062	12.382983	3.4133	.04603
3	0.279699	6.621399	2.5655	.02751
4	0.318007	4.817112	2.1466	.01816
5	0.347110	3.960360	1.8944	.01270
6	0.370171	3.463167	1.7233	.00921
7	0.389008	3.138752	1.5999	.00635
8	0.404750	2.910252	1.5004	.00517
9	0.418145	2.740442	1.4268	.00394
10	0.429706	2.609151	1.3666	.00302
12	0.448716	2.419085	1.2711	.00178
14	0.463752	2.287825	1.2011	.00103
16	0.475981	2.191356	1.1466	.00057
18	0.486143	2.117766	1.1033	.00029
20	0.494736	2.059375	1.0667	.00013
25	0.511392	1.955447	1.0000	.00000
30	0.523478	1.886818	0.9533	.00007
35	0.532669	1.838013	0.9119	.00002
40	0.539905	1.801493	0.8922	.00004
45	0.545755	1.773106	0.8711	.00005
50	0.550585	1.750397	0.8533	.00007
55	0.554642	1.731810	0.8399	.00009
60	0.558099	1.716313	0.8266	.00010

CONFIDENCE LEVEL=.9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.146242	83.972310	6.2231	1.09357
2	0.230559	12.305691	3.514	1.04774
3	0.285737	6.566545	2.649	1.02915
4	0.3225348	4.769191	2.223	1.01968
5	0.355582	3.915383	1.966	1.01410
6	0.379641	3.419620	1.792	1.01050
7	0.399370	3.095916	1.665	1.00802
8	0.415918	2.867748	1.568	1.00623
9	0.430045	2.698055	1.490	1.00491
10	0.442277	2.566753	1.427	1.00390
12	0.462473	2.376455	1.330	1.00250
14	0.478550	2.244836	1.257	1.00161
16	0.491649	2.148139	1.201	1.00103
18	0.502596	2.073956	1.156	1.00064
20	0.511386	2.015160	1.119	1.00038
25	0.529993	1.910301	1.049	1.00007
30	0.543221	1.840372	1.000	1.00000
35	0.553337	1.791389	0.963	1.00004
40	0.561339	1.754279	0.933	1.00001
45	0.567832	1.725383	0.912	1.00002
50	0.573212	1.702242	0.894	1.00003
55	0.577745	1.683271	0.878	1.00005
60	0.581617	1.667435	0.865	1.00006

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.148114	83.758352	6.345	1.09310
2	0.233322	12.250953	3.589	1.04839
3	0.290131	6.532756	2.713	1.03036
4	0.3330707	4.735049	2.281	1.02033
5	0.3661783	3.983280	2.020	1.01517
6	0.386591	3.388473	1.844	1.01149
7	0.406994	3.065225	1.716	1.00804
8	0.424153	2.837248	1.617	1.00708
9	0.438839	2.666759	1.539	1.00569
10	0.451585	2.536242	1.475	1.00462
12	0.472699	2.345700	1.376	1.00313
14	0.489552	2.213749	1.302	1.00213
16	0.503371	2.116693	1.245	1.00146
18	0.514941	2.042143	1.198	1.00100
20	0.524788	1.983001	1.160	1.00067
25	0.544064	1.877333	1.089	1.00022
30	0.558226	1.807216	1.038	1.00004
35	0.569107	1.757140	1.000	1.00000
40	0.577746	1.719519	0.970	1.00003
45	0.584782	1.690185	0.947	1.00009
50	0.590627	1.666652	0.927	1.00017
55	0.595565	1.647341	0.911	1.00026
60	0.599792	1.631204	0.897	1.00036

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.149531	83.559841	6.432	.09595
	2 0.236296	12.210160	3.647	.04994
	3 0.293473	6.458439	2.762	.03130
	4 0.334790	4.709490	2.326	.02172
	5 0.366518	3.859207	2.063	.01601
	6 0.391508	3.365087	1.886	.01228
	7 0.412937	3.042152	1.756	.00968
	8 0.430477	2.814291	1.657	.00778
	9 0.445603	2.644642	1.578	.00634
	10 0.458757	2.513226	1.513	.00523
	12 0.480601	2.322453	1.413	.00364
	14 0.498093	2.150209	1.333	.00258
	16 0.512478	2.009239	1.280	.00185
	18 0.524553	2.017933	1.233	.00133
	20 0.534855	1.958534	1.195	.00096
	25 0.555095	1.852177	1.121	.00040
	30 0.570035	1.781456	1.069	.00014
	35 0.581558	1.730364	1.030	.00003
	40 0.590738	1.692797	1.000	.00000
	45 0.598236	1.663075	0.975	.00002
	50 0.604481	1.639200	0.955	.00006
	55 0.609768	1.619538	0.938	.00012
	60 0.614304	1.603131	0.924	.00019

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.150640	83.477724	6.501	.09661
	2 0.238238	12.217833	3.693	.05068
	3 0.296099	6.473831	2.802	.03204
	4 0.338005	4.696639	2.363	.02249
	5 0.370252	3.840488	2.098	.01669
	6 0.396108	3.346332	1.919	.01292
	7 0.417460	3.024173	1.789	.01039
	8 0.435486	2.796335	1.689	.00833
	9 0.450969	2.626723	1.609	.00688
	10 0.464454	2.495249	1.544	.00574
	12 0.486893	2.304260	1.443	.00409
	14 0.504909	2.171757	1.368	.00298
	16 0.519760	2.074117	1.309	.00230
	18 0.532253	1.998990	1.262	.00164
	20 0.542934	1.939280	1.223	.00123
	25 0.563682	1.832325	1.149	.00058
	30 0.579580	1.761083	1.096	.00025
	35 0.591651	1.710040	1.056	.00009
	40 0.601296	1.671532	1.025	.00002
	45 0.609193	1.641316	1.000	.00000
	50 0.615786	1.617339	0.979	.00001
	55 0.621378	1.597459	0.962	.00003
	60 0.626184	1.580813	0.947	.00009

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.1511532	83.380767	6.5536	1.09714
2	0.2339802	12.153430	3.731	1.05128
3	0.2998217	6.457822	2.834	1.03264
4	0.340602	4.673777	2.363	1.02301
5	0.373273	3.925515	2.127	1.01725
6	0.399310	3.32309	1.947	1.01346
7	0.421208	3.009763	1.816	1.01079
8	0.439553	2.782028	1.716	1.00883
9	0.455330	2.612344	1.636	1.00734
10	0.469088	2.480802	1.570	1.00617
12	0.492022	2.299631	1.469	1.00448
14	0.510475	2.156302	1.393	1.00333
16	0.525717	2.055026	1.334	1.00251
18	0.5383562	1.9836655	1.287	1.00192
20	0.549563	1.923729	1.247	1.00147
25	0.5771293	1.816231	1.172	1.00076
30	0.587463	1.744354	1.119	1.00059
35	0.600005	1.693115	1.079	1.00047
40	0.610054	1.653411	1.047	1.00036
45	0.618300	1.622941	1.021	1.00021
50	0.625197	1.599495	1.000	1.00000
55	0.631058	1.579376	0.982	1.00001
60	0.636103	1.562515	0.967	1.00003

CONFIDENCE LEVEL = .9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.1522266	83.301330	6.603	1.09758
2	0.241089	12.132911	3.762	1.05173
3	0.2999962	6.443000	2.865	1.03314
4	0.342743	4.660812	2.413	1.02350
5	0.375766	3.812267	2.151	1.01772
6	0.402321	3.320378	1.970	1.01391
7	0.4243309	3.037368	1.839	1.01122
8	0.442920	2.770253	1.738	1.00924
9	0.458944	2.600550	1.658	1.00773
10	0.472932	2.468950	1.592	1.00654
12	0.496284	2.277611	1.491	1.00499
14	0.515107	2.144684	1.415	1.00363
16	0.530681	2.046600	1.355	1.00279
18	0.543828	1.971035	1.303	1.00217
20	0.555103	1.910900	1.268	1.00170
25	0.577430	1.802966	1.193	1.00093
30	0.594081	1.730863	1.139	1.00051
35	0.607039	1.679079	1.098	1.00026
40	0.617441	1.639968	1.066	1.00012
45	0.625994	1.609327	1.040	1.00005
50	0.633162	1.584640	1.013	1.00001
55	0.639261	1.564305	1.000	1.00000
60	0.644520	1.547251	0.984	1.00001

CONFIDENCE LEVEL = .9
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUC TION
60	0.242166	12.115853	3.789	1.05220
2	0.301424	6.430850	2.884	1.03356
3	0.344539	4.650016	2.435	1.02391
4	0.377859	3.803061	2.171	1.01812
5	0.404682	3.310431	1.990	1.01429
6	0.426916	2.988124	1.858	1.01159
7	0.445754	2.760435	1.757	1.00959
8	0.461988	2.590700	1.677	1.00807
9	0.476172	2.459047	1.611	1.00687
10	0.499881	2.267558	1.509	1.00511
11	0.519022	2.134455	1.433	1.00391
12	0.534883	2.036190	1.374	1.00304
14	0.548289	1.960445	1.326	1.00239
16	0.559802	1.900136	1.296	1.00190
18	0.582644	1.791793	1.210	1.00109
20	0.599724	1.719345	1.156	1.00063
25	0.613044	1.667244	1.115	1.00036
30	0.623760	1.627359	1.083	1.00019
35	0.632586	1.596475	1.056	1.00006
40	0.639994	1.572072	1.034	1.00003
45	0.646307	1.551543	1.016	1.00001
50	0.651757	1.534314	1.000	1.00000
55				
60				

CONFIDENCE LEVEL = .9
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0001544	647.786011	1.0000	.000000
2	0.0002183	57.536219	0.512	.01550
3	0.0002500	27.847000	0.361	.03245
4	0.0003670	19.784736	0.291	.04427
5	0.0003775	16.236232	0.251	.05250
6	0.0003845	14.277513	0.225	.05845
7	0.0003894	13.046022	0.208	.06292
9	0.0003950	12.203490	0.193	.06639
9	0.0003958	11.592171	0.185	.06915
10	0.0003990	11.128936	0.178	.07140
12	0.0003012	10.474647	0.166	.07434
14	0.0003035	10.035141	0.159	.07734
16	0.0003052	9.719396	0.153	.07923
18	0.0003064	9.482848	0.148	.08072
20	0.0003075	9.298174	0.145	.08192
25	0.0003092	8.976531	0.139	.08409
30	0.0003104	8.769499	0.135	.08555
35	0.0003112	8.625140	0.132	.08660
40	0.0003118	8.518755	0.130	.08738
45	0.0003123	8.437104	0.128	.08800
50	0.0003127	8.372467	0.127	.08849
55	0.0003130	8.320014	0.126	.08890
60	0.0003132	8.276616	0.125	.08923

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.017330	456.970852	1.952	.01550
3	0.025641	39.000000	1.000	.000000
4	0.030093	18.432568	0.703	.00298
5	0.032765	12.997747	0.564	.01003
6	0.034516	10.473503	0.484	.01544
7	0.035742	9.139453	0.422	.01591
8	0.036645	8.302287	0.397	.02356
9	0.037335	7.730388	0.371	.02657
9	0.037879	7.315383	0.351	.02903
10	0.038318	7.002091	0.335	.03119
12	0.038982	6.555170	0.312	.03454
14	0.039461	6.261933	0.296	.03708
16	0.039822	6.048871	0.284	.03905
18	0.040103	5.888740	0.275	.04064
20	0.040328	5.764037	0.267	.04193
25	0.040735	5.546924	0.255	.04433
30	0.041007	5.407253	0.246	.04598
35	0.041201	5.309898	0.240	.04718
40	0.041346	5.238147	0.236	.04809
45	0.041459	5.183093	0.232	.04881
50	0.041550	5.139517	0.230	.04939
55	0.041624	5.104166	0.227	.04986
60	0.041686	5.074914	0.225	.05026

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.035910	400.0075453	2.768	1.03245
	2 0.054252	33.229771	1.422	1.00398
	3 0.064770	13.439183	1.000	1.00000
	4 0.071406	10.680322	0.800	1.00149
	5 0.075925	8.602512	0.685	1.00417
	6 0.079186	7.461230	0.610	1.00691
	7 0.081643	6.745892	0.558	1.00942
	8 0.083559	6.257613	0.520	1.01164
	9 0.085092	5.903916	0.491	1.01358
10	0.086347	5.636269	0.468	1.01529
11	0.087275	5.458639	0.433	1.01810
12	0.0879687	5.3005320	0.409	1.02103
13	0.088414	4.823775	0.392	1.02303
14	0.088765	4.687337	0.378	1.02454
15	0.0890301	4.581132	0.367	1.02575
16	0.0892552	4.506212	0.348	1.02703
17	0.0894596	4.277263	0.335	1.02863
18	0.0895005	4.194348	0.326	1.02932
19	0.0895464	4.133235	0.319	1.03073
20	0.0895323	4.086375	0.314	1.03146
25	0.0896112	4.049267	0.310	1.03204
30	0.0896348	4.019164	0.307	1.03253
40	0.0896546	3.994254	0.304	1.03294

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.050544	374.465381	3.439	1.04427
	2 0.077533	30.520113	1.774	1.01003
	3 0.093630	14.004511	1.250	1.00149
	4 0.104118	9.604530	1.000	1.00000
	5 0.111445	7.687313	0.855	1.00070
	6 0.116838	6.635425	0.761	1.00209
	7 0.120969	5.976550	0.695	1.00364
	8 0.124231	5.526989	0.646	1.00517
	9 0.126872	5.201415	0.609	1.00659
10	0.129052	4.955084	0.579	1.00789
11	0.132440	4.607562	0.535	1.01015
12	0.134951	4.374448	0.504	1.01200
13	0.136885	4.207377	0.481	1.01353
14	0.138421	4.081823	0.463	1.01481
15	0.139669	3.984060	0.449	1.01590
16	0.141962	3.813341	0.424	1.01799
17	0.143524	3.704329	0.407	1.01950
18	0.144657	3.627982	0.395	1.02063
19	0.145515	3.571721	0.386	1.02150
20	0.146188	3.528545	0.380	1.02221
25	0.146730	3.494365	0.374	1.02278
30	0.147176	3.466636	0.370	1.02326
40	0.147549	3.443689	0.366	1.02366

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.061591	360.339161	3.9871	.015250
1	0.0095479	28.971321	2.067	.01544
2	0.0116245	13.170881	1.460	.00417
3	0.0130084	8.973073	1.169	.00070
4	0.0139931	7.146382	1.000	.00000
5	0.0147286	6.144325	0.889	.00038
6	0.0152987	5.517677	0.811	.00019
7	0.0157534	5.089822	0.754	.00015
8	0.0161245	4.779977	0.709	.00013
9	0.0164331	4.545538	0.674	.00040
10	0.0169169	4.214753	0.621	.00035
12	0.0172797	3.992830	0.534	.00073
14	0.0175594	3.833743	0.556	.00067
16	0.0177837	3.714167	0.535	.00097
18	0.0179669	3.621033	0.518	.00075
20	0.0183055	3.458836	0.487	.00264
25	0.0185378	3.354447	0.467	.00403
30	0.0187070	3.291651	0.453	.00509
35	0.0188358	3.227995	0.442	.00532
40	0.0189371	3.186809	0.433	.00659
45	0.0190189	3.154200	0.427	.00715
50	0.0190862	3.127742	0.421	.00761
55	0.0191427	3.105845	0.417	.00800
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.070040	351.528403	4.437	.05843
1	0.0109416	27.977992	2.313	.01991
2	0.0134025	12.628521	1.639	.00691
3	0.0150706	8.558853	1.314	.00209
4	0.0162739	6.739504	1.124	.00038
5	0.0171828	5.819757	1.000	.00000
6	0.0178940	5.212600	0.912	.00023
7	0.0184657	4.798374	0.847	.00074
8	0.0189353	4.498371	0.796	.00137
9	0.0193282	4.271348	0.756	.00204
10	0.0199482	3.950957	0.696	.00338
12	0.0204155	3.735926	0.653	.00460
14	0.0207804	3.581733	0.622	.00569
16	0.0210732	3.465801	0.597	.00665
18	0.0213134	3.375479	0.577	.00749
20	0.0217759	3.218119	0.542	.00919
25	0.0220680	3.116793	0.518	.01047
30	0.0222935	3.046105	0.501	.01145
35	0.0224657	2.993383	0.489	.01224
40	0.0226015	2.953973	0.479	.01288
45	0.0227113	2.922284	0.471	.01341
50	0.0228019	2.896569	0.465	.01385
55	0.0228780	2.875282	0.460	.01423
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.076652	345.562509	4.813	1.06292
1	0.120449	27.289057	2.521	1.02356
2	0.148238	12.248425	1.791	1.00942
3	0.167321	8.266601	1.439	1.00364
4	0.181236	6.536507	1.232	1.00119
5	0.191843	5.588472	1.096	1.00023
6	0.200204	4.994909	1.000	1.00000
7	0.206968	4.589914	0.928	1.00015
8	0.212556	4.296547	0.872	1.00049
9	0.217252	4.074502	0.828	1.00092
10	0.224707	3.761041	0.762	1.00190
12	0.230362	3.550572	0.714	1.00287
14	0.234802	3.399591	0.679	1.00377
16	0.238380	3.286033	0.651	1.00459
18	0.241325	3.197532	0.629	1.00532
20	0.246826	3.043272	0.589	1.00684
25	0.250643	2.943886	0.563	1.00800
30	0.253447	2.874520	0.544	1.00892
35	0.255594	2.823358	0.530	1.00966
40	0.257292	2.784066	0.519	1.01026
45	0.258667	2.752942	0.510	1.01077
50	0.259804	2.727679	0.502	1.01119
55	0.260760	2.706763	0.496	1.01156
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.081944	341.279189	5.129	1.06639
1	0.129360	26.784699	2.698	1.02657
2	0.159805	11.967661	1.923	1.01164
3	0.180930	8.049519	1.548	1.00517
4	0.196471	6.347833	1.327	1.00215
5	0.208404	5.415437	1.181	1.00074
6	0.217869	4.831653	1.077	1.00015
7	0.225568	4.433260	1.000	1.00000
8	0.231957	4.144612	0.940	1.00010
9	0.237347	3.926089	0.892	1.00034
10	0.245947	3.617494	0.820	1.00101
12	0.252509	3.410197	0.768	1.00176
14	0.257683	3.261426	0.729	1.00249
16	0.261869	3.149487	0.699	1.00318
18	0.265327	3.062217	0.675	1.00382
20	0.271809	2.910024	0.631	1.00517
25	0.276329	2.811908	0.602	1.00623
30	0.279662	2.743394	0.581	1.00708
35	0.282221	2.692841	0.565	1.00777
40	0.284248	2.654003	0.553	1.00834
45	0.285894	2.623230	0.543	1.00882
50	0.287256	2.598247	0.533	1.00923
55	0.288403	2.577560	0.529	1.00958
60				

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.086265	338.066263	5.398	1.06915
2	0.136689	26.400155	2.851	1.02508
3	0.169379	11.751994	2.038	1.01358
4	0.192255	7.881990	1.643	1.00659
5	0.209206	6.201733	1.410	1.00313
6	0.222303	5.281128	1.256	1.00137
7	0.232745	4.704634	1.146	1.00049
8	0.241277	4.311148	1.064	1.00010
9	0.248386	4.025994	1.000	1.00000
10	0.254404	3.810064	0.949	1.00007
12	0.264048	3.505020	0.872	1.00048
14	0.271442	3.300009	0.816	1.00103
16	0.277296	3.152313	0.775	1.00162
18	0.282049	3.042012	0.742	1.00220
20	0.285984	2.955598	0.716	1.00275
25	0.293393	2.804318	0.669	1.00394
30	0.298581	2.707548	0.637	1.00491
35	0.302419	2.639589	0.615	1.00569
40	0.305374	2.589424	0.597	1.00634
45	0.307718	2.550871	0.584	1.00688
50	0.309625	2.520315	0.573	1.00733
55	0.311205	2.495502	0.565	1.00772
60	0.312537	2.474951	0.557	1.00806

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.089855	335.573227	5.630	1.07140
2	0.142814	26.097600	2.985	1.03119
3	0.177422	11.581242	2.139	1.01529
4	0.201813	7.748825	1.727	1.00739
5	0.219996	6.085265	1.484	1.00409
6	0.234118	5.173798	1.323	1.00204
7	0.245429	4.602949	1.208	1.00092
8	0.254706	4.213238	1.121	1.00034
9	0.262463	3.930754	1.054	1.00007
10	0.269049	3.716792	1.000	1.00000
12	0.279644	3.414419	0.919	1.00018
14	0.287803	3.211102	0.860	1.00057
16	0.294285	3.065056	0.816	1.00103
18	0.299564	2.955076	0.781	1.00151
20	0.303946	2.869269	0.753	1.00197
25	0.312225	2.719467	0.703	1.00302
30	0.318046	2.622761	0.669	1.00390
35	0.322364	2.555160	0.645	1.00462
40	0.325697	2.505237	0.626	1.00523
45	0.328347	2.466857	0.612	1.00574
50	0.330504	2.436428	0.600	1.00617
55	0.332295	2.411712	0.591	1.00654
60	0.333306	2.391236	0.583	1.00686

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.0955469	331.966641	6.009	1.07484
	2 0.152458	25.652597	3.206	1.03454
	3 0.190163	11.328223	2.307	1.01810
	4 0.217035	7.550567	1.869	1.01015
	5 0.237262	5.911257	1.609	1.00585
	6 0.253103	5.012993	1.437	1.00338
	7 0.265884	4.450245	1.313	1.00190
	8 0.276434	4.065908	1.220	1.00101
	9 0.285305	3.787190	1.147	1.00048
	10 0.292876	3.575978	1.089	1.00018
	12 0.305131	3.277277	1.000	1.00000
	14 0.314640	3.076236	0.936	1.00011
	16 0.322242	2.931695	0.887	1.00035
	18 0.328463	2.822759	0.849	1.00066
	20 0.333653	2.737702	0.819	1.00098
	25 0.343515	2.589047	0.763	1.00178
	30 0.350499	2.492949	0.725	1.00250
	35 0.355708	2.425698	0.697	1.00311
	40 0.359745	2.375939	0.677	1.00364
	45 0.362966	2.337744	0.660	1.00409
	50 0.365596	2.307404	0.647	1.00448
	55 0.367784	2.282746	0.637	1.00482
	60 0.369633	2.262310	0.628	1.00511

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.099650	329.491131	6.305	1.07734
	2 0.159695	25.341484	3.381	1.03708
	3 0.199787	11.149880	2.442	1.02031
	4 0.228600	7.410093	1.984	1.01200
	5 0.250449	5.787483	1.712	1.00737
	6 0.267671	4.898248	1.530	1.00460
	7 0.281645	4.340389	1.400	1.00287
	8 0.293238	3.960253	1.302	1.00176
	9 0.303029	3.684025	1.225	1.00103
	10 0.311420	3.474604	1.163	1.00057
	12 0.325073	3.178238	1.068	1.00011
	14 0.335730	2.978588	1.000	1.00000
	16 0.344293	2.834923	0.948	1.00007
	18 0.351333	2.726562	0.907	1.00023
	20 0.357227	2.641893	0.874	1.00044
	25 0.368497	2.493757	0.813	1.00104
	30 0.376510	2.397865	0.772	1.00161
	35 0.382524	2.330684	0.742	1.00213
	40 0.387201	2.280932	0.719	1.00258
	45 0.390944	2.242712	0.702	1.00298
	50 0.394008	2.212333	0.687	1.00333
	55 0.396562	2.197630	0.675	1.00364
	60 0.398725	2.167146	0.665	1.00391

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	1 0.102882	327.691015	6.542	1.07923
	2 0.165320	25.111975	3.523	1.03905
	3 0.207307	11.017484	2.553	1.02208
	4 0.237678	7.305386	2.079	1.01353
	5 0.260842	5.694939	1.797	1.00867
	6 0.279194	4.812233	1.609	1.00569
	7 0.294153	4.258916	1.473	1.00377
	8 0.306614	3.880734	1.371	1.00249
	9 0.317177	3.606250	1.291	1.00162
	10 0.326258	3.398063	1.226	1.00103
	12 0.341100	3.103262	1.127	1.00035
	14 0.352743	2.904499	1.055	1.00007
	16 0.362141	2.761359	1.000	1.00000
	18 0.369894	2.653313	0.957	1.00005
	20 0.376407	2.568833	0.921	1.00016
	25 0.388905	2.420877	0.857	1.00058
	30 0.397860	2.324975	0.813	1.00103
	35 0.404600	2.257714	0.781	1.00146
	40 0.409860	2.207908	0.756	1.00185
	45 0.414080	2.169530	0.737	1.00220
	50 0.417543	2.139045	0.722	1.00252
	55 0.420436	2.114242	0.709	1.00279
	60 0.422390	2.093365	0.698	1.00304

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	1 0.105454	326.325047	6.736	1.08072
	2 0.169816	24.935802	3.640	1.04064
	3 0.213340	10.915344	2.646	1.02354
	4 0.244988	7.224343	2.159	1.01481
	5 0.269239	5.623133	1.869	1.00979
	6 0.288534	4.745363	1.675	1.00665
	7 0.304318	4.154989	1.536	1.00459
	8 0.317512	3.818699	1.430	1.00318
	9 0.328730	3.545489	1.347	1.00220
	10 0.338401	3.338189	1.280	1.00151
	12 0.354263	3.044480	1.177	1.00066
	14 0.366762	2.846300	1.103	1.00023
	16 0.376887	2.703475	1.045	1.00005
	18 0.385269	2.595592	1.000	1.00000
	20 0.392328	2.511185	0.963	1.00003
	25 0.405931	2.363215	0.895	1.00029
	30 0.415724	2.267184	0.849	1.00064
	35 0.423122	2.199763	0.815	1.00100
	40 0.428913	2.149794	0.789	1.00133
	45 0.433572	2.111263	0.769	1.00154
	50 0.437403	2.080636	0.752	1.00192
	55 0.440609	2.055704	0.738	1.00217
	60 0.443331	2.035010	0.727	1.00240

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.107548	3 25.254097	6.897	1.08192
	2 0.173490	24.796364	3.739	1.04193
	3 0.218287	10.834170	2.724	1.02475
	4 0.251000	7.159766	2.227	1.01590
	5 0.276164	5.565798	1.931	1.01075
	6 0.296254	4.691874	1.733	1.00749
	7 0.312741	4.143781	1.590	1.00532
	8 0.326561	3.768940	1.482	1.00382
	9 0.338341	3.496693	1.396	1.00275
	10 0.348521	3.290053	1.327	1.00197
	12 0.365270	2.997128	1.222	1.00098
	14 0.378517	2.799339	1.144	1.00044
	16 0.389282	2.656699	1.085	1.00016
	18 0.398218	2.548887	1.038	1.00003
	20 0.405764	2.464484	1.000	1.00000
	25 0.420356	2.316389	0.926	1.00013
	30 0.430907	2.220162	0.881	1.00039
	35 0.438905	2.152536	0.845	1.00067
	40 0.445133	2.102374	0.818	1.00096
	45 0.450245	2.063664	0.796	1.00123
	50 0.454415	2.032878	0.779	1.00147
	55 0.457910	2.007802	0.765	1.00170
	60 0.460833	1.986979	0.752	1.00190

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.111402	3 23.375976	7.203	1.08409
	2 0.180280	24.548811	3.928	1.04433
	3 0.227469	10.689298	2.875	1.02703
	4 0.262203	7.044118	2.360	1.01799
	5 0.289115	5.462844	2.052	1.01264
	6 0.310741	4.595610	1.846	1.00919
	7 0.328594	4.051439	1.697	1.00684
	8 0.343640	3.679051	1.584	1.00517
	9 0.356529	3.408399	1.495	1.00394
	10 0.367719	3.202820	1.422	1.00302
	12 0.386243	2.911085	1.311	1.00178
	14 0.401001	2.713802	1.230	1.00104
	16 0.413074	2.571319	1.167	1.00058
	18 0.423152	2.463475	1.117	1.00029
	20 0.431706	2.378936	1.076	1.00013
	25 0.448370	2.230302	1.000	1.00000
	30 0.460528	2.133465	0.947	1.00007
	35 0.469812	2.065256	0.908	1.00022
	40 0.477143	2.014560	0.879	1.00040
	45 0.483084	1.975374	0.855	1.00058
	50 0.487999	1.944162	0.835	1.00076
	55 0.492133	1.918707	0.819	1.00093
	60 0.495662	1.897544	0.806	1.00110

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30				
1	0.114032	322.159805	7.419	1.08555
2	0.184937	24.386285	4.063	1.04598
3	0.233794	10.593623	2.984	1.02863
4	0.269954	6.967454	2.457	1.01950
5	0.298112	5.394391	2.141	1.01403
6	0.320843	4.531440	1.930	1.01047
7	0.339687	3.989743	1.777	1.00800
8	0.355630	3.618868	1.661	1.00623
9	0.369338	3.349171	1.569	1.00491
10	0.381278	3.144201	1.494	1.00390
12	0.401131	2.853078	1.380	1.00250
14	0.417038	2.655970	1.295	1.00161
16	0.430112	2.513444	1.230	1.00103
18	0.441076	2.405443	1.178	1.00054
20	0.450418	2.320688	1.135	1.00039
25	0.468721	2.171419	1.056	1.00007
30	0.482173	2.073944	1.000	1.00000
35	0.492506	2.005146	0.959	1.00004
40	0.500705	1.953925	0.927	1.00014
45	0.507377	1.914271	0.901	1.00025
50	0.512916	1.882644	0.881	1.00038
55	0.517591	1.856820	0.863	1.00051
60	0.521591	1.835327	0.849	1.00063

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35				
1	0.115940	321.308932	7.579	1.08660
2	0.183323	24.271451	4.164	1.04718
3	0.238416	10.525751	3.067	1.02982
4	0.275635	6.912914	2.530	1.02063
5	0.304725	5.345586	2.209	1.01509
6	0.328288	4.485605	1.994	1.01145
7	0.347884	3.945601	1.839	1.00892
8	0.364512	3.575743	1.721	1.00708
9	0.378847	3.306669	1.627	1.00569
10	0.391365	3.102079	1.551	1.00462
12	0.412252	2.811292	1.434	1.00311
14	0.429059	2.614218	1.348	1.00213
16	0.442926	2.471576	1.281	1.00146
18	0.454594	2.363384	1.227	1.00100
20	0.464568	2.278399	1.183	1.00067
25	0.484202	2.128510	1.101	1.00022
30	0.498717	2.030433	1.043	1.00004
35	0.509921	1.961089	1.000	1.00000
40	0.518848	1.909381	0.967	1.00003
45	0.526139	1.869296	0.940	1.00009
50	0.532210	1.837285	0.918	1.00017
55	0.537348	1.811119	0.900	1.00026
60	0.541754	1.789321	0.884	1.00036

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.117388	3 20.680600	7.703	1.03738
	2 0.190907	24.186023	4.242	1.04809
	3 0.241940	10.475100	3.132	1.03073
	4 0.279977	6.872132	2.588	1.02150
	5 0.309790	5.309034	2.263	1.01592
	6 0.334003	4.451227	2.046	1.01224
	7 0.354188	3.912452	1.888	1.00966
	8 0.371355	3.543313	1.768	1.00777
	9 0.386186	3.274678	1.674	1.00634
	10 0.399164	3.070340	1.597	1.00523
	12 0.420877	2.779746	1.478	1.00364
	14 0.438408	2.582641	1.390	1.00258
	16 0.452917	2.439859	1.322	1.00185
	18 0.465161	2.331473	1.267	1.00133
	20 0.475653	2.246270	1.223	1.00096
	25 0.496386	2.095807	1.138	1.00040
	30 0.511790	1.997134	1.079	1.00014
	35 0.523730	1.927346	1.035	1.00003
	40 0.533277	1.875197	1.000	1.00000
	45 0.541098	1.834720	0.972	1.00002
	50 0.547628	1.802362	0.949	1.00006
	55 0.553167	1.775884	0.930	1.00012
	60 0.557927	1.753806	0.914	1.00019

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.118524	3 20.157773	7.801	1.08800
	2 0.192935	24.119996	4.305	1.04881
	3 0.244716	10.435358	3.183	1.03146
	4 0.283403	6.840486	2.635	1.02221
	5 0.313793	5.280635	2.307	1.01655
	6 0.338527	4.424489	2.087	1.01238
	7 0.359187	3.886642	1.929	1.01026
	8 0.376789	3.518049	1.808	1.00834
	9 0.392023	3.249725	1.712	1.00688
	10 0.405374	3.045562	1.634	1.00574
	12 0.427763	2.755079	1.514	1.00409
	14 0.445889	2.557914	1.425	1.00298
	16 0.460929	2.414989	1.356	1.00220
	18 0.473650	2.306420	1.301	1.00164
	20 0.484575	2.221015	1.256	1.00123
	25 0.506233	2.070033	1.170	1.00058
	30 0.522392	1.970921	1.109	1.00025
	35 0.534961	1.900640	1.064	1.00009
	40 0.545042	1.848095	1.029	1.00002
	45 0.553322	1.807266	1.000	1.00000
	50 0.560252	1.774592	0.976	1.00001
	55 0.566142	1.747832	0.957	1.00005
	60 0.571214	1.725501	0.940	1.00009

CONFIDENCE LEVEL=.95
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50				
1	0.119439	319.815230	7.881	1.08849
2	0.194571	24.067439	4.336	1.04939
3	0.246958	10.404563	3.226	1.03204
4	0.286175	6.815217	2.673	1.02278
5	0.317038	5.257935	2.343	1.01715
6	0.342198	4.403097	2.122	1.01341
7	0.363248	3.865976	1.962	1.01077
8	0.381209	3.497801	1.840	1.00882
9	0.396776	3.229715	1.744	1.00733
10	0.410437	3.025680	1.665	1.00617
12	0.433387	2.735261	1.545	1.00448
14	0.452011	2.538023	1.455	1.00333
16	0.467498	2.394960	1.386	1.00252
18	0.480622	2.286222	1.330	1.00192
20	0.491913	2.200634	1.284	1.00147
25	0.514360	2.049186	1.197	1.00076
30	0.531168	1.949635	1.136	1.00038
35	0.544281	1.878953	1.089	1.00017
40	0.554828	1.826058	1.053	1.00006
45	0.563510	1.784911	1.024	1.00001
50	0.570791	1.751953	1.000	1.00000
55	0.576992	1.724938	0.980	1.00001
60	0.582340	1.702376	0.962	1.00003

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55				
1	0.120192	319.504692	7.947	1.08890
2	0.195918	24.024616	4.399	1.04986
3	0.248808	10.379024	3.261	1.03253
4	0.288464	6.794574	2.705	1.02326
5	0.319719	5.239375	2.373	1.01761
6	0.345236	4.385594	2.151	1.01385
7	0.366612	3.849056	1.990	1.01109
8	0.384875	3.481212	1.868	1.00923
9	0.400721	3.213311	1.771	1.00772
10	0.414643	3.009371	1.692	1.00654
12	0.438069	2.718996	1.571	1.00482
14	0.457116	2.521672	1.481	1.00364
16	0.472983	2.378481	1.411	1.00279
18	0.486451	2.269588	1.354	1.00217
20	0.498057	2.183835	1.308	1.00170
25	0.521184	2.031969	1.220	1.00093
30	0.538555	1.932026	1.158	1.00051
35	0.552145	1.860992	1.112	1.00026
40	0.563100	1.807774	1.075	1.00012
45	0.572137	1.766340	1.045	1.00005
50	0.579731	1.733126	1.021	1.00001
55	0.586208	1.705879	1.000	1.00000
60	0.591803	1.683108	0.982	1.00001

CONFIDENCE LEVEL = .95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.120822	319.247614	8.003	1.08923
2	0.197048	23.989052	4.435	1.05026
3	0.250360	10.357786	3.292	1.03294
4	0.290386	6.777394	2.733	1.02366
5	0.321974	5.223918	2.399	1.01800
6	0.347792	4.371007	2.176	1.01423
7	0.369445	3.834947	2.014	1.01156
8	0.387964	3.467373	1.892	1.00958
9	0.404048	3.199619	1.794	1.00806
10	0.418194	2.995752	1.715	1.00686
12	0.442026	2.705382	1.593	1.00511
14	0.461436	2.507993	1.503	1.00391
16	0.477631	2.364682	1.432	1.00304
18	0.491398	2.255649	1.376	1.00240
20	0.503277	2.169746	1.323	1.00190
25	0.526997	2.017506	1.241	1.00110
30	0.544862	1.917210	1.178	1.00063
35	0.558871	1.845857	1.131	1.00036
40	0.570188	1.792350	1.094	1.00019
45	0.579542	1.750658	1.064	1.00009
50	0.587414	1.717210	1.039	1.00003
55	0.594139	1.689753	1.018	1.00001
60	0.599955	1.666791	1.000	1.00000

CONFIDENCE LEVEL=.95
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000386	593.157068	1.0000	1.000000
2	0.0000551	117.518342	0.506	1.01334
3	0.0000634	46.324771	0.350	1.02956
4	0.0000681	29.941493	0.277	1.03945
5	0.0000710	23.293546	0.236	1.04712
6	0.0000729	19.798581	0.210	1.05270
7	0.0000743	17.671127	0.191	1.05690
8	0.0000753	16.249369	0.178	1.06016
9	0.0000760	15.235697	0.168	1.06275
10	0.0000767	14.478093	0.160	1.06487
12	0.0000775	13.423602	0.149	1.06810
14	0.0000781	12.726222	0.141	1.07045
16	0.0000786	12.231405	0.135	1.07222
18	0.0000789	11.862426	0.131	1.07362
20	0.0000792	11.576903	0.127	1.07474
25	0.0000797	11.083555	0.121	1.07677
30	0.0000800	10.768763	0.117	1.07814
35	0.0000802	10.550619	0.114	1.07912
40	0.0000804	10.390432	0.112	1.07995
45	0.0000805	10.267936	0.111	1.08043
50	0.0000806	10.171180	0.109	1.08089
55	0.0000807	10.092395	0.108	1.08126
60	0.0000808	10.028141	0.107	1.08158

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.008509	1814.470236	1.975	1.01334
3	0.012658	78.999990	1.000	1.000000
4	0.014969	30.360227	0.691	1.00369
5	0.016379	19.295986	0.545	1.00541
6	0.017310	14.835648	0.462	1.01459
7	0.017963	12.500632	0.408	1.01889
8	0.018445	11.083573	0.372	1.02243
9	0.018813	10.138437	0.345	1.02534
10	0.019102	9.465788	0.324	1.02777
12	0.019336	8.963681	0.308	1.02981
14	0.019689	8.265831	0.284	1.03306
16	0.019943	7.804932	0.268	1.03551
18	0.020134	7.478327	0.256	1.03742
20	0.020282	7.235001	0.247	1.03895
25	0.020401	7.046301	0.239	1.04020
30	0.020615	6.721894	0.226	1.04252
35	0.020758	6.514763	0.218	1.04411
40	0.020860	6.371263	0.212	1.04526
45	0.020936	6.266003	0.207	1.04614
50	0.020995	6.185504	0.204	1.04683
55	0.021042	6.121956	0.201	1.04733
55	0.021081	6.070515	0.199	1.04784
60	0.021113	6.028024	0.197	1.04823

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	0.021587	1576.114013	2.854	1.02856
1	0.032938	66.804809	1.447	1.00369
2	0.039654	25.218272	1.000	1.00000
3	0.043963	15.831692	0.788	1.00144
4	0.046923	12.064265	0.666	1.00404
5	0.049068	10.097497	0.587	1.00671
6	0.050688	8.906158	0.533	1.00917
7	0.051952	8.112715	0.493	1.01135
8	0.052964	7.548531	0.462	1.01327
9	0.053793	7.127757	0.438	1.01494
10	0.054066	6.843447	0.403	1.01770
12	0.055998	6.157871	0.378	1.01987
14	0.056709	5.884810	0.360	1.02162
16	0.057269	5.681466	0.346	1.02304
18	0.057721	5.524247	0.335	1.02423
20	0.058544	5.252937	0.315	1.02647
25	0.059100	5.080052	0.302	1.02804
30	0.059500	4.960313	0.293	1.02920
35	0.059802	4.872300	0.286	1.03009
40	0.060037	4.805354	0.281	1.03080
45	0.060226	4.752353	0.277	1.03137
50	0.060381	4.709455	0.273	1.03184
55	0.060511	4.674024	0.271	1.03224
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	0.033399	1467.943355	3.606	1.03945
1	0.051824	61.053367	1.834	1.00941
2	0.063164	22.746388	1.269	1.00144
3	0.070685	14.147177	1.000	1.00000
4	0.075991	10.706317	0.844	1.00069
5	0.079918	8.913446	0.744	1.00205
6	0.082936	7.828815	0.674	1.00359
7	0.085325	7.107077	0.622	1.00509
8	0.087261	6.594205	0.582	1.00650
9	0.088861	6.211382	0.551	1.00779
10	0.091350	5.681228	0.505	1.01002
12	0.093196	5.331221	0.473	1.01136
14	0.094618	5.083425	0.449	1.01337
16	0.095748	4.898933	0.430	1.01464
18	0.096666	4.756310	0.415	1.01572
20	0.098352	4.510230	0.390	1.01779
25	0.099501	4.353444	0.373	1.01927
30	0.100333	4.244864	0.361	1.02038
35	0.100964	4.165238	0.352	1.02125
40	0.101459	4.104355	0.345	1.02194
45	0.101857	4.056297	0.339	1.02250
50	0.102185	4.017401	0.333	1.02297
55	0.102459	3.985276	0.331	1.02337
60				

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.042931	08.287555	4.239	1.04712
1	0.067405	57.770407	2.165	1.01459
2	0.082889	21.311510	1.502	1.00404
3	0.093403	13.159452	1.184	1.00069
4	0.100963	9.904623	1.000	1.00000
5	0.106647	8.210916	0.880	1.00038
6	0.111072	7.137137	0.797	1.00117
7	0.114612	6.506270	0.735	1.00213
8	0.117507	6.022626	0.687	1.00311
9	0.119918	5.662184	0.650	1.00406
10	0.122703	5.162021	0.594	1.00581
12	0.126539	4.332137	0.555	1.00732
14	0.128742	4.598694	0.526	1.00862
16	0.130502	4.424857	0.503	1.00972
18	0.131941	4.290471	0.486	1.01068
20	0.133460	4.058597	0.454	1.01256
25	0.136428	3.910852	0.433	1.01393
30	0.137759	3.808524	0.413	1.01493
35	0.138772	3.733478	0.407	1.01581
40	0.139569	3.676094	0.393	1.01647
45	0.140212	3.630796	0.391	1.01702
50	0.140742	3.594131	0.386	1.01747
55	0.141187	3.563346	0.381	1.01736
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.050309	1371.195345	4.772	1.05270
1	0.079996	55.668747	2.448	1.01889
2	0.099034	20.379935	1.703	1.00671
3	0.112190	12.512787	1.344	1.00205
4	0.121789	9.376703	1.136	1.00038
5	0.129094	7.746307	1.000	1.00000
6	0.134837	6.761349	0.905	1.00023
7	0.139470	6.106526	0.834	1.00073
8	0.143237	5.641478	0.780	1.00136
9	0.146485	5.294936	0.736	1.00203
10	0.151545	4.814099	0.672	1.00337
12	0.155366	4.497011	0.627	1.00459
14	0.158355	4.272527	0.593	1.00567
16	0.160756	4.105385	0.567	1.00663
18	0.162728	3.976162	0.547	1.00747
20	0.166395	3.753159	0.509	1.00916
25	0.168929	3.611035	0.485	1.01042
30	0.170784	3.512532	0.468	1.01141
35	0.172201	3.440366	0.454	1.01218
40	0.173319	3.385138	0.444	1.01232
45	0.174223	3.341537	0.436	1.01334
50	0.174970	3.306242	0.430	1.01373
55	0.175596	3.277037	0.424	1.01416
60				

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7 1	0.056589	13 46.181111	5.224	1.05690
2	0.090224	54.216270	2.692	1.02243
3	0.112232	19.728690	1.877	1.00917
4	0.127733	12.057471	1.485	1.00359
5	0.139137	9.003180	1.255	1.00117
6	0.147899	7.416373	1.106	1.00023
7	0.154844	6.458110	1.000	1.00000
8	0.160485	5.821162	0.922	1.00015
9	0.165160	5.368853	0.861	1.00049
10	0.169097	5.031814	0.813	1.00092
12	0.175364	4.564145	0.742	1.00130
14	0.180132	4.255706	0.691	1.00287
16	0.183882	4.037312	0.653	1.00377
18	0.186908	3.874677	0.624	1.00453
20	0.189402	3.748919	0.601	1.00531
25	0.194066	3.531340	0.559	1.00632
30	0.197307	3.393446	0.531	1.00799
35	0.199690	3.297550	0.511	1.00890
40	0.201517	3.227194	0.496	1.00963
45	0.202961	3.173378	0.485	1.01023
50	0.204132	3.130335	0.475	1.01073
55	0.205100	3.096482	0.468	1.01116
60	0.205914	3.068051	0.462	1.01152

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8 1	0.061541	13 28.296566	5.609	1.06016
2	0.098634	53.156081	2.902	1.02534
3	0.123263	19.248686	2.029	1.01135
4	0.140705	11.719925	1.608	1.00509
5	0.153698	8.725128	1.361	1.00213
6	0.163759	7.169997	1.199	1.00073
7	0.171787	6.231101	1.085	1.00015
8	0.178345	5.607096	1.000	1.00000
9	0.183807	5.163936	0.934	1.00010
10	0.188427	4.833793	0.882	1.00034
12	0.195821	4.375575	0.804	1.00101
14	0.201430	4.073311	0.748	1.00176
16	0.205952	3.859243	0.707	1.00249
18	0.209576	3.699794	0.675	1.00318
20	0.212574	3.576474	0.649	1.00382
25	0.218204	3.363539	0.603	1.00516
30	0.222136	3.227730	0.572	1.00622
35	0.225039	3.133595	0.550	1.00707
40	0.227270	3.064512	0.533	1.00776
45	0.229039	3.011657	0.520	1.00833
50	0.230475	2.969915	0.510	1.00880
55	0.231664	2.936115	0.502	1.00921
60	0.232666	2.908138	0.495	1.00956

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.065635	13 14.935398	5.942	1.06275
1	0.105644	52.349942	3.086	1.02777
2	0.132476	18.880728	2.163	1.01327
3	0.151648	11.459886	1.717	1.00650
4	0.166041	8.510168	1.455	1.00311
5	0.177259	6.979012	1.283	1.00136
6	0.186260	6.054746	1.161	1.00049
7	0.193649	5.440493	1.070	1.00010
8	0.199828	5.004298	1.000	1.00000
10	0.205075	4.679234	0.944	1.00007
12	0.213511	4.228068	0.860	1.00049
14	0.220002	3.930383	0.800	1.00103
16	0.225154	3.719504	0.755	1.00163
18	0.229345	3.562392	0.720	1.00220
20	0.232821	3.440850	0.692	1.00275
25	0.239376	3.230910	0.642	1.00394
30	0.243977	3.096950	0.609	1.00490
35	0.247385	3.004062	0.585	1.00569
40	0.250011	2.935873	0.567	1.00633
45	0.252097	2.883689	0.552	1.00687
50	0.253794	2.842467	0.541	1.00732
55	0.255202	2.809083	0.532	1.00771
60	0.256369	2.781495	0.524	1.00805

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.069070	13 04.606572	6.231	1.06487
1	0.111561	51.717254	3.247	1.02981
2	0.140297	18.589940	2.282	1.01494
3	0.160982	11.253512	1.814	1.00779
4	0.176610	8.339053	1.539	1.00406
5	0.188860	6.826626	1.358	1.00203
6	0.198735	5.913764	1.230	1.00092
7	0.206877	5.307094	1.134	1.00034
8	0.213710	4.876259	1.059	1.00007
10	0.219531	4.555160	1.000	1.00000
12	0.228929	4.109419	0.911	1.00018
14	0.236193	3.815232	0.847	1.00057
16	0.241981	3.606773	0.799	1.00103
18	0.246705	3.451422	0.762	1.00151
20	0.250633	3.331211	0.732	1.00197
25	0.258070	3.123491	0.679	1.00302
30	0.263312	2.950883	0.642	1.00390
35	0.267207	2.838895	0.616	1.00462
40	0.270216	2.831344	0.597	1.00523
45	0.272611	2.778634	0.582	1.00573
50	0.274563	2.738777	0.569	1.00616
55	0.276183	2.705682	0.559	1.00654
60	0.277551	2.678323	0.551	1.00696

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.074495	9.736597	6.708	1.06810
1	0.120980	50.789583	3.517	1.03306
2	0.152825	18.160045	2.482	1.01770
3	0.176018	10.946859	1.980	1.01002
4	0.193723	8.083861	1.683	1.00581
5	0.207723	6.598712	1.487	1.00337
6	0.219099	5.702409	1.343	1.00190
7	0.228541	5.106706	1.244	1.00101
8	0.236515	4.683591	1.163	1.00048
9	0.243343	4.368172	1.098	1.00018
10	0.254443	3.930146	1.000	1.00000
12	0.263092	3.640880	0.930	1.00001
14	0.270029	3.435787	0.877	1.00003
16	0.275722	3.282855	0.835	1.00006
18	0.280479	3.164454	0.802	1.00009
20	0.283954	2.959696	0.742	1.00017
25	0.295981	2.928841	0.701	1.00025
30	0.300792	2.737992	0.672	1.00031
35	0.304526	2.671229	0.650	1.00036
40	0.307508	2.620093	0.633	1.00040
45	0.309545	2.579669	0.619	1.00044
50	0.311975	2.546910	0.607	1.00043
55	0.313691	2.519823	0.598	1.00051
60				

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.078578	1279.589296	7.084	1.07045
1	0.128124	50.143375	3.733	1.03551
2	0.152394	17.857838	2.645	1.01937
3	0.187574	10.730071	2.115	1.01186
4	0.206946	7.902712	1.802	1.00732
5	0.222370	6.436400	1.595	1.00459
6	0.234979	5.551483	1.447	1.00237
7	0.245501	4.963280	1.336	1.00176
8	0.254428	4.545410	1.250	1.00103
9	0.262107	4.233825	1.180	1.00057
10	0.274659	3.800947	1.076	1.00011
12	0.284502	3.514909	1.000	1.00000
14	0.292441	3.311981	0.943	1.00007
16	0.298985	3.160578	0.898	1.00002
18	0.304477	3.043296	0.862	1.00004
20	0.314998	2.840308	0.796	1.00010
25	0.322520	2.710445	0.752	1.00015
30	0.328170	2.620204	0.719	1.00021
35	0.332572	2.553840	0.695	1.00025
40	0.336099	2.502977	0.676	1.00029
45	0.338990	2.462743	0.661	1.00033
50	0.341402	2.430131	0.648	1.00036
55	0.343446	2.403152	0.638	1.00039
60				

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16 1	0.081757	1272.245990	7.389	1.07222
2	0.133720	49.668074	3.909	1.03742
3	0.169929	17.633971	2.779	1.02162
4	0.196718	10.568772	2.229	1.01337
5	0.217453	7.767494	1.902	1.00862
6	0.234054	6.314928	1.685	1.00567
7	0.247690	5.438285	1.531	1.00377
8	0.259118	4.855504	1.415	1.00249
9	0.268853	4.441401	1.324	1.00163
10	0.277256	4.132550	1.251	1.00103
12	0.291054	3.703299	1.141	1.00035
14	0.301934	3.419434	1.061	1.00007
16	0.310749	3.218033	1.000	1.00000
18	0.318044	3.067640	0.952	1.00005
20	0.324187	2.951073	0.914	1.00016
25	0.336014	2.749174	0.843	1.00059
30	0.344518	2.619868	0.796	1.00103
35	0.350934	2.529934	0.761	1.00146
40	0.355951	2.463746	0.735	1.00186
45	0.359982	2.412986	0.714	1.00221
50	0.363294	2.372817	0.697	1.00252
55	0.366063	2.340234	0.684	1.00280
60	0.368414	2.313271	0.672	1.00304

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18 1	0.084300	1266.696523	7.639	1.07362
2	0.138217	49.304114	4.056	1.03895
3	0.176011	17.461568	2.892	1.02304
4	0.204125	10.444113	2.323	1.01464
5	0.225996	7.662713	1.936	1.00972
6	0.243583	6.220605	1.763	1.00663
7	0.258086	5.350227	1.603	1.00458
8	0.270285	4.771531	1.482	1.00318
9	0.280710	4.360250	1.388	1.00220
10	0.289736	4.053432	1.312	1.00151
12	0.304613	3.626846	1.197	1.00066
14	0.316398	3.344647	1.114	1.00023
16	0.325984	3.144216	1.050	1.00005
18	0.333944	2.994512	1.000	1.00000
20	0.340667	2.878425	0.959	1.00003
25	0.353667	2.677188	0.885	1.00029
30	0.363061	2.548176	0.835	1.00064
35	0.370178	2.458368	0.798	1.00100
40	0.375760	2.392223	0.770	1.00134
45	0.380258	2.341467	0.748	1.00164
50	0.383961	2.301277	0.730	1.00192
55	0.387063	2.268562	0.715	1.00217
60	0.389700	2.241661	0.703	1.00240

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20 1	0.086379	1262.360486	7.849	1.07474
2	0.141908	49.016632	4.180	1.04620
3	0.181020	17.324756	2.987	1.02423
4	0.210247	10.344903	2.405	1.01572
5	0.233075	7.579152	2.059	1.01068
6	0.251499	6.145242	1.830	1.00747
7	0.266744	5.279765	1.665	1.00531
8	0.279605	4.704249	1.541	1.00382
9	0.290626	4.295151	1.444	1.00275
10	0.300191	3.989893	1.366	1.00197
12	0.316010	3.565330	1.247	1.00098
14	0.328591	3.234524	1.160	1.00044
16	0.338859	3.034637	1.094	1.00016
18	0.347412	2.935414	1.042	1.00003
20	0.354655	2.819644	1.000	1.00000
25	0.368711	2.618808	0.922	1.00013
30	0.378916	2.489926	0.869	1.00039
35	0.386674	2.400133	0.831	1.00067
40	0.392777	2.333953	0.801	1.00096
45	0.397707	2.283135	0.778	1.00123
50	0.401774	2.242876	0.759	1.00147
55	0.405186	2.210189	0.743	1.00170
60	0.408092	2.183118	0.730	1.00191

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25 1	0.090224	1254.791697	8.250	1.07677
2	0.148768	48.507619	4.420	1.04252
3	0.190370	17.081060	3.174	1.02647
4	0.221713	10.167521	2.565	1.01779
5	0.246391	7.429319	2.203	1.01256
6	0.266442	6.009306	1.963	1.00916
7	0.283139	5.152381	1.790	1.00682
8	0.297306	4.582873	1.660	1.00516
9	0.309510	4.177522	1.557	1.00394
10	0.320155	3.874916	1.474	1.00302
12	0.337873	3.453716	1.348	1.00179
14	0.352075	3.174621	1.256	1.00104
16	0.363746	2.976065	1.186	1.00058
18	0.373526	2.827521	1.130	1.00023
20	0.381853	2.712153	1.084	1.00013
25	0.398140	2.511678	1.000	1.00000
30	0.410078	2.382735	0.942	1.00007
35	0.419224	2.292723	0.899	1.00022
40	0.426464	2.226268	0.867	1.00040
45	0.432343	2.175164	0.841	1.00058
50	0.437214	2.134626	0.820	1.00076
55	0.441318	2.101675	0.802	1.00093
60	0.444823	2.074357	0.788	1.00110

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30 1	0.092861	1249.917005	8.535	1.07814
2	0.153498	48.174467	4.593	1.04411
3	0.196848	16.920485	3.310	1.02804
4	0.229703	10.050151	2.683	1.01927
5	0.255699	7.329864	2.310	1.01393
6	0.276929	5.919669	2.062	1.01042
7	0.294686	5.068242	1.884	1.00799
8	0.309815	4.501740	1.749	1.00622
9	0.322898	4.098745	1.643	1.00490
10	0.334349	3.797779	1.557	1.00390
12	0.353502	3.378598	1.426	1.00250
14	0.368943	3.100582	1.331	1.00161
16	0.381699	2.902606	1.257	1.00103
18	0.392433	2.754353	1.193	1.00064
20	0.401618	2.639109	1.150	1.00039
25	0.419686	2.438358	1.062	1.00007
30	0.433030	2.309308	1.000	1.00000
35	0.443317	2.218923	0.955	1.00004
40	0.451502	2.152090	0.920	1.00014
45	0.458178	2.100326	0.892	1.00025
50	0.463730	2.059753	0.869	1.00038
55	0.468422	2.026494	0.850	1.00051
60	0.472442	1.998395	0.834	1.00063

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35 1	0.094781	1246.520143	8.747	1.07912
2	0.156955	47.939598	4.723	1.04526
3	0.201600	16.806741	3.413	1.02920
4	0.235579	9.966764	2.773	1.02038
5	0.262569	7.259043	2.392	1.01498
6	0.284691	5.855362	2.139	1.01141
7	0.303255	5.007755	1.957	1.00890
8	0.319122	4.443670	1.819	1.00707
9	0.332883	4.042282	1.711	1.00569
10	0.344959	3.742418	1.623	1.00462
12	0.365231	3.324556	1.489	1.00312
14	0.381650	3.047200	1.390	1.00213
16	0.395267	2.849537	1.314	1.00146
18	0.406774	2.701402	1.254	1.00100
20	0.416644	2.586157	1.204	1.00067
25	0.436163	2.385358	1.112	1.00022
30	0.450669	2.255722	1.048	1.00004
35	0.461909	2.164927	1.000	1.00000
40	0.470892	2.097698	0.963	1.00003
45	0.478245	2.045865	0.934	1.00009
50	0.484380	2.000465	0.910	1.00017
55	0.489580	1.971086	0.890	1.00026
60	0.494045	1.943206	0.873	1.00036

CONFIDENCE LEVEL = .975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40				
1	0.096242	1244.019405	8.912	1.07985
2	0.159591	47.765169	4.824	1.04614
3	0.205233	16.721965	3.454	1.03009
4	0.240082	9.904474	2.844	1.02125
5	0.267847	7.206051	2.458	1.01581
6	0.290667	5.807173	2.200	1.01213
7	0.309867	4.962371	2.015	1.00933
8	0.326316	4.400048	1.875	1.00776
9	0.340614	3.999820	1.765	1.00633
10	0.353189	3.700742	1.676	1.00523
12	0.374360	3.283795	1.535	1.00364
14	0.391567	3.006363	1.439	1.00259
16	0.405386	2.809377	1.361	1.00136
18	0.418021	2.661271	1.299	1.00134
20	0.428458	2.545972	1.248	1.00096
25	0.449182	2.344361	1.154	1.00040
30	0.464664	2.214323	1.083	1.00014
35	0.476713	2.123628	1.038	1.00003
40	0.486377	2.056016	1.000	1.00000
45	0.494314	2.003329	0.969	1.00002
50	0.500954	1.963295	0.944	1.00006
55	0.506595	1.928434	0.923	1.00012
60	0.511451	1.900286	0.905	1.00019

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45				
1	0.097390	1242.102431	9.043	1.08043
2	0.161663	47.630536	4.903	1.04633
3	0.208101	16.656343	3.559	1.03080
4	0.243644	9.856178	2.901	1.02194
5	0.272028	7.164909	2.511	1.01647
6	0.295409	5.769718	2.250	1.01282
7	0.315122	4.927060	2.063	1.01023
8	0.332043	4.366077	1.922	1.00833
9	0.346778	3.966723	1.810	1.00687
10	0.359760	3.668230	1.720	1.00573
12	0.381666	3.251943	1.581	1.00409
14	0.399524	2.975310	1.479	1.00298
16	0.414424	2.777913	1.400	1.00221
18	0.427083	2.629792	1.338	1.00164
20	0.437994	2.514414	1.286	1.00123
25	0.459736	2.312973	1.189	1.00058
30	0.476049	2.182559	1.122	1.00025
35	0.488791	2.090978	1.071	1.00009
40	0.499045	2.023007	1.032	1.00002
45	0.507488	1.970490	1.000	1.00000
50	0.514570	1.928655	0.974	1.00001
55	0.520600	1.894520	0.952	1.00005
60	0.525799	1.866123	0.934	1.00009

CONFIDENCE LEVEL=.975
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.098317	1240.586575	9.150	1.08089
2	0.163347	47.523485	4.972	1.04738
3	0.210422	16.604059	3.613	1.03137
4	0.246530	9.817639	2.949	1.02250
5	0.275422	7.132042	2.555	1.01702
6	0.299264	5.739770	2.292	1.01334
7	0.319399	4.898803	2.103	1.01073
8	0.336710	4.338871	1.960	1.00880
9	0.351807	3.940198	1.848	1.00732
10	0.365126	3.642157	1.756	1.00616
12	0.387647	3.226375	1.616	1.00448
14	0.406051	2.949941	1.513	1.00333
16	0.421440	2.752591	1.434	1.00252
18	0.434541	2.604430	1.370	1.00192
20	0.445855	2.438964	1.318	1.00147
25	0.468466	2.287209	1.220	1.00076
30	0.485495	2.156429	1.151	1.00038
35	0.493839	2.064494	1.099	1.00017
40	0.509607	1.996192	1.059	1.00006
45	0.518496	1.943371	1.027	1.00001
50	0.525967	1.901253	1.000	1.00000
55	0.532341	1.866870	0.978	1.00001
60	0.537347	1.832843	0.953	1.00003

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.099080	1239.358072	9.239	1.08126
2	0.164731	47.436334	5.027	1.04784
3	0.212339	16.561414	3.658	1.03184
4	0.248917	9.786171	2.989	1.02297
5	0.278231	7.105183	2.592	1.01747
6	0.302458	5.715273	2.327	1.01378
7	0.322947	4.875678	2.137	1.01116
8	0.340586	4.516592	1.993	1.00921
9	0.355988	3.918464	1.880	1.00771
10	0.369593	3.620781	1.783	1.00654
12	0.392633	3.205337	1.647	1.00482
14	0.411500	2.929098	1.543	1.00364
16	0.427308	2.731767	1.463	1.00280
18	0.440788	2.583557	1.398	1.00217
20	0.452450	2.468000	1.345	1.00170
25	0.475811	2.265941	1.246	1.00093
30	0.493463	2.134827	1.176	1.00051
35	0.507334	2.042567	1.124	1.00026
40	0.518556	1.973962	1.083	1.00012
45	0.527838	1.920861	1.050	1.00005
50	0.535656	1.878494	1.023	1.00001
55	0.542337	1.843373	1.000	1.00000
60	0.548117	1.815032	0.980	1.00001

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1	1238.342516	9.314	1.08158
	2	47.364009	5.075	1.04823
	3	16.525970	3.696	1.03224
	4	9.759993	3.023	1.02337
	5	7.082823	2.623	1.01786
	6	5.694875	2.357	1.01416
	7	4.856403	2.166	1.01152
	8	4.298012	2.021	1.00936
	9	3.900330	1.907	1.00805
	10	3.602937	1.815	1.00686
	12	3.187851	1.673	1.00511
	14	2.911668	1.568	1.00391
	16	2.714340	1.483	1.00304
	18	2.566074	1.423	1.00240
	20	2.450429	1.370	1.00191
	25	2.243086	1.270	1.00110
	30	2.116664	1.199	1.00063
	35	2.024106	1.146	1.00036
	40	1.955222	1.105	1.00019
	45	1.901866	1.071	1.00009
	50	1.859264	1.043	1.00003
	55	1.824429	1.020	1.00001
	60	1.795393	1.000	1.00000

CONFIDENCE LEVEL=.975
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0000062	16210.722709	1.0000	1.000000
2	0.0000089	297.509443	0.502	1.01114
3	0.000103	88.373759	0.342	1.02439
4	0.000111	50.084764	0.266	1.03416
5	0.000116	36.180658	0.223	1.04116
6	0.000119	29.339240	0.196	1.04630
7	0.000122	25.353715	0.177	1.05018
8	0.000124	22.773748	0.163	1.05320
9	0.000125	20.975658	0.153	1.05561
10	0.000126	19.657099	0.145	1.05757
12	0.000128	17.858370	0.133	1.06057
14	0.000129	16.691861	0.125	1.06274
16	0.000129	15.876447	0.119	1.06439
18	0.000130	15.275362	0.115	1.06568
20	0.000130	14.814979	0.111	1.06672
25	0.000131	14.026148	0.105	1.06860
30	0.000132	13.529613	0.101	1.06986
35	0.000132	13.187229	0.098	1.07076
40	0.000132	12.938175	0.096	1.07144
45	0.000133	12.747504	0.094	1.07197
50	0.000133	12.598493	0.093	1.07259
55	0.000133	12.477342	0.092	1.07273
60	0.000133	12.377836	0.091	1.07302

CONFIDENCE LEVEL=.99

SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.003361	11286.961134	1.990	1.01114
1	0.005025	199.000000	1.000	1.00000
3	0.005930	57.537220	0.681	1.00331
4	0.006574	32.009338	0.529	1.00858
5	0.006970	22.319110	0.442	1.01344
6	0.007250	18.322340	0.386	1.01752
7	0.007456	15.713739	0.348	1.02088
8	0.007613	14.029301	0.320	1.02366
9	0.007737	12.859094	0.299	1.02598
10	0.007837	12.001996	0.282	1.02794
12	0.007988	10.835111	0.258	1.03105
14	0.008096	10.080630	0.241	1.03340
16	0.008177	9.554129	0.229	1.03522
18	0.008240	9.166390	0.219	1.03669
20	0.008290	8.869203	0.212	1.03798
25	0.008330	8.361834	0.195	1.04009
30	0.008440	8.042240	0.190	1.04160
35	0.008483	7.822622	0.184	1.04270
40	0.008515	7.662483	0.180	1.04354
45	0.008539	7.540555	0.176	1.04419
50	0.008559	7.444650	0.174	1.04472
55	0.008575	7.367232	0.171	1.04516
60	0.008589	7.303435	0.170	1.04552

CONFIDENCE LEVEL=.99

SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3 1	0.0111316	9736.337915	2.921	1.02439
2	0.017380	167.231667	1.469	1.00331
3	0.021067	47.467228	1.000	1.00000
4	0.023477	26.061694	0.776	1.00135
5	0.025149	18.399035	0.647	1.00383
6	0.026367	14.664150	0.564	1.00641
7	0.027289	12.503359	0.507	1.00890
8	0.028010	11.110384	0.465	1.01092
9	0.028597	10.144997	0.433	1.01278
10	0.029060	9.438431	0.408	1.01441
12	0.029785	8.477785	0.372	1.01710
14	0.030316	7.857545	0.346	1.01922
16	0.030721	7.425166	0.327	1.02092
18	0.031039	7.107000	0.313	1.02231
20	0.031296	6.863292	0.302	1.02346
25	0.031763	6.447543	0.282	1.02564
30	0.032078	6.185885	0.269	1.02716
35	0.032304	6.006182	0.259	1.02829
40	0.032474	5.875200	0.252	1.02915
45	0.032607	5.775513	0.247	1.02983
50	0.032714	5.697111	0.243	1.03039
55	0.032801	5.633349	0.240	1.03085
60	0.032874	5.581715	0.237	1.03123

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4 1	0.0119966	9021.696223	3.753	1.03416
2	0.031240	152.112687	1.892	1.00858
3	0.038370	42.594480	1.289	1.00135
4	0.043138	23.154502	1.000	1.00000
5	0.046623	16.224148	0.833	1.00066
6	0.049182	12.855414	0.726	1.00199
7	0.051155	10.910196	0.651	1.00349
8	0.052720	9.658411	0.596	1.00497
9	0.053991	8.791052	0.555	1.00635
10	0.055042	8.157097	0.522	1.00762
12	0.056678	7.295963	0.474	1.00982
14	0.057891	6.740504	0.440	1.01163
16	0.058827	6.353545	0.415	1.01312
18	0.059569	6.068946	0.396	1.01437
20	0.060172	5.851035	0.381	1.01542
25	0.061280	5.479474	0.354	1.01746
30	0.062034	5.245737	0.337	1.01891
35	0.062581	5.085267	0.324	1.02001
40	0.062995	4.968331	0.315	1.02085
45	0.063319	4.879349	0.308	1.02153
50	0.063580	4.809378	0.302	1.02208
55	0.063795	4.752919	0.298	1.02254
60	0.063974	4.706404	0.294	1.02293

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.027639	8625.705206	4.478	1.04116
1	0.043823	143.466003	2.264	1.01344
2	0.054351	39.762613	1.546	1.00383
3	0.061637	21.448560	1.200	1.00066
4	0.066936	14.939605	1.000	1.00000
5	0.070949	11.782075	0.871	1.00037
6	0.074087	9.961367	0.780	1.00115
7	0.076605	8.790896	0.714	1.00209
8	0.078668	7.980497	0.663	1.00306
9	0.080390	7.388519	0.623	1.00401
10	0.083309	6.584909	0.565	1.00574
12	0.085126	6.066873	0.523	1.00724
14	0.086704	5.706140	0.493	1.00852
16	0.087966	5.440910	0.469	1.00961
18	0.088998	5.237874	0.451	1.01056
20	0.090906	4.891767	0.418	1.01241
25	0.092216	4.674100	0.396	1.01377
30	0.093171	4.524685	0.381	1.01481
35	0.093897	4.415317	0.369	1.01562
40	0.094469	4.332980	0.361	1.01628
45	0.094930	4.267845	0.354	1.01681
50	0.095310	4.215290	0.348	1.01726
55	0.095628	4.171994	0.343	1.01764
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.034084	8379.560314	5.105	1.04630
1	0.054579	137.937053	2.590	1.01752
2	0.068194	37.926107	1.772	1.00641
3	0.077788	20.332810	1.378	1.00199
4	0.084875	14.094620	1.149	1.00037
5	0.090309	11.073039	1.000	1.00000
6	0.094605	9.332538	0.856	1.00022
7	0.098033	8.214457	0.820	1.00072
8	0.100955	7.440750	0.761	1.00135
9	0.103363	6.875805	0.715	1.00201
10	0.107192	6.109209	0.646	1.00354
12	0.110086	5.615227	0.598	1.00455
14	0.112353	5.271327	0.562	1.00563
16	0.114175	5.018513	0.535	1.00658
18	0.115673	4.8325004	0.513	1.00741
20	0.118460	4.495171	0.474	1.00909
25	0.120388	4.287753	0.449	1.01035
30	0.121800	4.145379	0.431	1.01132
35	0.122879	4.041640	0.417	1.01209
40	0.123730	3.962706	0.407	1.01272
45	0.124419	3.900640	0.398	1.01324
50	0.124987	3.850559	0.392	1.01367
55	0.125465	3.809301	0.386	1.01404
60				

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.0039441	13.975210	5.647	1.05018
1	0.0063639	134.124919	2.876	1.02088
2	0.0079978	36.644478	1.973	1.00880
3	0.0091657	19.548491	1.536	1.00349
4	0.100388	13.497681	1.281	1.00115
5	0.107152	10.570298	1.116	1.00022
6	0.112544	8.885389	1.000	1.00000
7	0.116943	7.803613	0.914	1.00014
8	0.120599	7.055313	0.849	1.00048
9	0.123687	6.509082	0.797	1.00092
10	0.128614	5.768070	0.719	1.00189
12	0.132372	5.290682	0.663	1.00285
14	0.135333	4.958375	0.625	1.00375
16	0.137726	4.714097	0.594	1.00456
18	0.139701	4.527125	0.569	1.00529
20	0.143337	4.208431	0.525	1.00679
25	0.145963	4.008003	0.496	1.00795
35	0.147861	3.870424	0.475	1.00886
40	0.149312	3.770169	0.459	1.00958
45	0.150460	3.693881	0.447	1.01018
50	0.151391	3.633890	0.438	1.01068
55	0.152161	3.585482	0.430	1.01110
60	0.152808	3.545501	0.424	1.01146

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.043911	95.984097	6.119	1.05320
1	0.071279	131.349906	3.127	1.02366
2	0.090002	35.701884	2.150	1.01092
3	0.103537	18.968072	1.677	1.00497
4	0.113754	13.054040	1.400	1.00209
5	0.121737	10.195475	1.220	1.00072
6	0.128146	8.551175	1.094	1.00014
7	0.135406	7.495906	1.000	1.00000
8	0.137802	6.766151	0.928	1.00010
9	0.141531	6.233548	0.871	1.00034
10	0.144751	5.811150	0.786	1.00100
12	0.152114	5.045806	0.726	1.00175
14	0.155734	4.721392	0.681	1.00249
16	0.158709	4.483780	0.647	1.00317
18	0.161156	4.301520	0.619	1.00381
20	0.165760	3.990829	0.570	1.00515
25	0.168981	3.795408	0.538	1.00620
35	0.171361	3.661240	0.515	1.00705
40	0.173192	3.563460	0.497	1.00773
45	0.174644	3.489047	0.484	1.00830
50	0.175824	3.430525	0.473	1.00877
55	0.176801	3.383298	0.465	1.00917
60	0.177624	3.344386	0.457	1.00952

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.047673	08.153012	6.531	1.05561
1	0.077766	129.245641	3.349	1.02598
2	0.098571	34.980814	2.308	1.01278
3	0.113752	18.521698	1.803	1.00635
4	0.125305	12.711603	1.507	1.00306
5	0.134395	9.905355	1.314	1.00135
6	0.141737	8.291921	1.178	1.00048
7	0.147795	7.256781	1.078	1.00010
8	0.152880	6.541090	1.000	1.00000
10	0.157211	6.018817	0.938	1.00007
12	0.164199	5.310495	0.847	1.00048
14	0.169594	4.854232	0.782	1.00103
16	0.173888	4.536628	0.733	1.00162
18	0.177387	4.303133	0.695	1.00220
20	0.180294	4.124401	0.666	1.00274
25	0.185797	3.819670	0.612	1.00393
30	0.189650	3.627954	0.576	1.00490
35	0.192515	3.496302	0.551	1.00568
40	0.194726	3.400340	0.532	1.00632
45	0.196482	3.327299	0.517	1.00686
50	0.197913	3.269849	0.505	1.00731
55	0.199099	3.223432	0.496	1.00769
60	0.200100	3.185274	0.488	1.00803

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.050872	7940.501662	6.893	1.05757
1	0.083319	127.598442	3.546	1.02794
2	0.105950	44.412075	2.449	1.01441
3	0.122593	18.168013	1.916	1.00762
4	0.135345	12.439410	1.604	1.00401
5	0.145438	9.674191	1.399	1.00201
6	0.153632	8.084950	1.255	1.00092
7	0.160422	7.065574	1.148	1.00034
8	0.166146	6.360833	1.066	1.00007
9	0.171037	5.846678	1.000	1.00000
10	0.178964	5.149326	0.902	1.00018
12	0.185116	4.700113	0.832	1.00057
14	0.190032	4.387398	0.780	1.00103
16	0.194052	4.157475	0.740	1.00151
18	0.197401	3.981448	0.708	1.00197
20	0.203756	3.681277	0.650	1.00302
25	0.208246	3.492379	0.611	1.00390
30	0.211588	3.362630	0.584	1.00462
35	0.214172	3.268035	0.563	1.00522
40	0.216231	3.196023	0.547	1.00573
45	0.217910	3.139372	0.534	1.00616
50	0.219305	3.093645	0.524	1.00652
55	0.220483	3.055960	0.515	1.00684

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	0.055998	7843.589237	7.499	1.06057
1	0.092293	125.191576	3.880	1.03105
2	0.117955	33.573399	2.691	1.01710
3	0.137062	17.643577	2.112	1.00982
4	0.151862	12.024239	1.771	1.00574
5	0.163687	9.329069	1.548	1.00334
6	0.173368	7.775204	1.390	1.00189
7	0.181450	6.778344	1.272	1.00100
8	0.188306	6.090183	1.181	1.00048
9	0.194200	5.587710	1.109	1.00018
10	0.203322	4.906249	1.000	1.00000
12	0.211352	4.467205	0.923	1.00011
14	0.221741	4.161486	0.864	1.00035
16	0.222399	3.936646	0.819	1.00066
18	0.226575	3.764461	0.783	1.00098
20	0.234553	3.470701	0.718	1.00179
25	0.240236	3.285715	0.674	1.00250
30	0.244492	3.158582	0.643	1.00312
35	0.247799	3.065349	0.613	1.00364
40	0.250444	2.995224	0.601	1.00409
45	0.252607	2.939545	0.586	1.00448
50	0.254410	2.894769	0.574	1.00481
55	0.255936	2.857776	0.564	1.00511
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	0.059909	7777.863690	7.984	1.06274
1	0.099200	123.521917	4.150	1.03340
2	0.127266	32.985610	2.889	1.01922
3	0.148357	17.273745	2.273	1.01163
4	0.164830	11.747263	1.911	1.00724
5	0.178087	9.083798	1.672	1.00455
6	0.189012	7.554468	1.504	1.00283
7	0.198184	6.574033	1.377	1.00173
8	0.206006	5.896432	1.280	1.00103
9	0.212761	5.402025	1.201	1.00057
10	0.223854	4.731435	1.084	1.00011
12	0.232597	4.299287	1.000	1.00000
14	0.239674	3.998277	0.937	1.00007
16	0.245526	3.776827	0.887	1.00023
18	0.250449	3.607180	0.848	1.00045
20	0.253990	3.317597	0.776	1.00104
25	0.266695	3.135106	0.729	1.00162
30	0.271804	3.009608	0.693	1.00213
35	0.275792	2.918019	0.667	1.00259
40	0.278992	2.848232	0.647	1.00299
45	0.281617	2.793291	0.630	1.00333
50	0.283809	2.748914	0.617	1.00364
55	0.285668	2.712321	0.606	1.00391
60				

CONFIDENCE LEVEL = .99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.062985	7730.555227	8.380	1.06439
2	0.104667	122.298111	4.374	1.03522
3	0.134677	32.551287	3.055	1.02092
4	0.157392	16.959139	2.410	1.01312
5	0.175250	11.533441	2.029	1.00852
6	0.189706	8.900555	1.779	1.00563
7	0.201679	7.389187	1.601	1.00375
8	0.211780	6.420384	1.468	1.00249
9	0.220428	5.750836	1.364	1.00162
10	0.227926	5.262285	1.281	1.00103
12	0.240299	4.599540	1.157	1.00035
14	0.250108	4.172326	1.067	1.00007
16	0.258088	3.874654	1.000	1.00000
18	0.264714	3.655582	0.947	1.00005
20	0.270307	3.487693	0.905	1.00016
25	0.281114	3.200965	0.823	1.00058
30	0.288914	3.020131	0.775	1.00103
35	0.294814	2.895689	0.733	1.00147
40	0.299437	2.804819	0.710	1.00186
45	0.303157	2.735547	0.687	1.00221
50	0.306217	2.680987	0.669	1.00252
55	0.308779	2.636902	0.655	1.00280
60	0.310955	2.600533	0.643	1.00304

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.065463	7694.967340	8.710	1.06568
2	0.109094	121.363711	4.562	1.03669
3	0.140706	32.217508	3.193	1.02231
4	0.164773	16.737274	2.526	1.01437
5	0.183379	11.368008	2.131	1.00961
6	0.199262	8.758469	1.870	1.00653
7	0.212130	7.260791	1.685	1.00456
8	0.223026	6.300834	1.546	1.00317
9	0.232339	5.637394	1.438	1.00220
10	0.240531	5.153267	1.351	1.00151
12	0.254023	4.456419	1.221	1.00066
14	0.264773	4.072891	1.127	1.00023
16	0.273554	3.777669	1.056	1.00005
18	0.280875	3.560332	1.000	1.00000
20	0.287071	3.393718	0.955	1.00003
25	0.299100	3.108995	0.873	1.00030
30	0.307829	2.929290	0.818	1.00065
35	0.314461	2.805543	0.778	1.00100
40	0.319674	2.715127	0.747	1.00134
45	0.323832	2.646166	0.723	1.00165
50	0.327351	2.591823	0.704	1.00192
55	0.330260	2.547905	0.688	1.00217
60	0.332735	2.511663	0.675	1.00240

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	1 0.067500	7667.272628	8.988	1.06672
	2 0.112750	120.627481	4.722	1.03788
	3 0.145703	31.953104	3.315	1.02346
	4 0.170910	16.618902	2.625	1.01542
	5 0.190917	11.236233	2.218	1.01056
	6 0.207254	8.645081	1.949	1.00741
	7 0.220891	7.158170	1.758	1.00529
	8 0.232476	6.205155	1.614	1.00381
	9 0.242459	5.546495	1.503	1.00274
	10 0.251165	5.065820	1.413	1.00197
	12 0.265642	4.413545	1.277	1.00098
	14 0.277225	3.992362	1.179	1.00045
	16 0.286722	3.699492	1.105	1.00016
	18 0.294666	3.483457	1.047	1.00003
	20 0.301406	3.317786	1.000	1.00000
	25 0.314546	3.034517	0.914	1.00033
	30 0.324128	2.855595	0.856	1.00039
	35 0.331435	2.732303	0.813	1.00068
	40 0.337197	2.642169	0.781	1.00096
	45 0.341860	2.573337	0.756	1.00123
	50 0.345712	2.519168	0.735	1.00148
	55 0.348949	2.475323	0.718	1.00170
	60 0.351707	2.439132	0.704	1.00191

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	1 0.071293	7619.191439	9.523	1.06860
	2 0.119591	119.328255	5.033	1.04009
	3 0.155098	31.483250	3.550	1.02564
	4 0.182499	16.318443	2.824	1.01746
	5 0.204425	11.000364	2.393	1.01241
	6 0.222461	8.441633	2.109	1.00909
	7 0.237618	6.973663	1.906	1.00679
	8 0.250574	6.032818	1.753	1.00515
	9 0.261803	5.382503	1.634	1.00393
	10 0.271645	4.907823	1.539	1.00302
	12 0.288126	4.263421	1.394	1.00179
	14 0.301423	3.847498	1.288	1.00104
	16 0.312406	3.557273	1.208	1.00058
	18 0.321647	3.343361	1.145	1.00030
	20 0.329542	3.179186	1.094	1.00013
	25 0.345052	2.898116	1.000	1.00000
	30 0.356477	2.720261	0.936	1.00007
	35 0.365262	2.597511	0.989	1.00022
	40 0.372235	2.507646	0.853	1.00040
	45 0.377909	2.438986	0.924	1.00058
	50 0.382618	2.384803	0.801	1.00076
	55 0.386592	2.340945	0.782	1.00094
	60 0.389990	2.304713	0.766	1.00110

CONFIDENCE LEVEL=.99
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	1 0.073913	75 88.424462	9.907	1.06986
	2 0.124343	118.481158	5.259	1.04160
	3 0.161658	31.174496	3.724	1.02716
	4 0.190631	16.120073	2.970	1.01891
	5 0.213945	10.844105	2.524	1.01377
	6 0.233222	8.306481	2.229	1.01035
	7 0.249501	6.850804	2.018	1.00795
	8 0.263476	5.917824	1.860	1.00620
	9 0.275637	5.272870	1.736	1.00490
	10 0.286338	4.802015	1.636	1.00390
	12 0.304348	4.162573	1.484	1.00250
	14 0.318968	3.749601	1.374	1.00162
	16 0.331111	3.461240	1.290	1.00103
	18 0.341380	3.248555	1.223	1.00065
	20 0.350190	3.085205	1.169	1.00039
	25 0.367612	2.805230	1.069	1.00007
	30 0.380549	2.627781	1.000	1.00000
	35 0.390562	2.505132	0.949	1.00004
	40 0.398553	2.415224	0.911	1.00014
	45 0.405086	2.346452	0.880	1.00025
	50 0.410530	2.292125	0.855	1.00038
	55 0.415133	2.248110	0.834	1.00051
	60 0.419091	2.211719	0.817	1.00063

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	1 0.075830	75 67.088454	10.195	1.07076
	2 0.127834	117.885653	5.430	1.04270
	3 0.166495	30.956225	3.856	1.02829
	4 0.196647	15.979364	3.093	1.02001
	5 0.221010	10.732995	2.626	1.01481
	6 0.241232	8.210137	2.323	1.01132
	7 0.258370	6.763118	2.106	1.00886
	8 0.273132	5.835625	1.943	1.00705
	9 0.286016	5.194392	1.816	1.00568
	10 0.297336	4.726175	1.713	1.00462
	12 0.316398	4.090113	1.556	1.00312
	14 0.332269	3.679117	1.442	1.00213
	16 0.345341	3.391966	1.355	1.00147
	18 0.356437	3.180045	1.286	1.00100
	20 0.365992	3.017183	1.230	1.00068
	25 0.384984	2.737765	1.125	1.00022
	30 0.399181	2.560414	1.053	1.00004
	35 0.410228	2.437672	1.000	1.00000
	40 0.419085	2.347589	0.959	1.00003
	45 0.426354	2.278610	0.926	1.00009
	50 0.432432	2.224067	0.900	1.00017
	55 0.437592	2.179839	0.878	1.00026
	60 0.442030	2.143241	0.859	1.00036

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.077293	7551.441148	10.420	1.07144
2	0.130506	117.444348	5.565	1.04354
3	0.170207	30.793789	3.960	1.02915
4	0.201275	15.874386	3.173	1.02085
5	0.226459	10.649946	2.707	1.01562
6	0.247424	8.138102	2.398	1.01209
7	0.265240	6.697391	2.177	1.00959
8	0.280626	5.773938	2.011	1.00773
9	0.294088	5.135434	1.880	1.00632
10	0.305994	4.669142	1.775	1.00522
12	0.326174	4.035527	1.615	1.00364
14	0.342698	3.625921	1.499	1.00259
16	0.356529	3.339603	1.409	1.00186
18	0.368307	3.128136	1.333	1.00134
20	0.378477	2.965623	1.280	1.00096
25	0.398780	2.686473	1.173	1.00040
30	0.414040	2.509074	1.098	1.00014
35	0.425969	2.386151	1.043	1.00003
40	0.435571	2.295839	1.000	1.00000
45	0.443477	2.226617	0.966	1.00002
50	0.450107	2.171333	0.933	1.00006
55	0.455750	2.127374	0.915	1.00012
60	0.460615	2.090538	0.895	1.00019

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.078445	7539.482135	10.600	1.07197
2	0.132616	117.104305	5.673	1.04419
3	0.173145	30.668214	4.045	1.02983
4	0.204945	15.793070	3.246	1.02153
5	0.230789	10.585524	2.773	1.01628
6	0.252353	8.082120	2.459	1.01272
7	0.270718	6.646293	2.235	1.01018
8	0.286611	5.725933	2.066	1.00830
9	0.300544	5.089514	1.934	1.00686
10	0.312889	4.624685	1.827	1.00573
12	0.333865	3.992910	1.665	1.00409
14	0.351095	3.584335	1.546	1.00299
16	0.365558	3.298616	1.455	1.00221
18	0.377905	3.087543	1.382	1.00165
20	0.388593	2.925175	1.323	1.00123
25	0.410006	2.646142	1.213	1.00058
30	0.426175	2.468611	1.136	1.00025
35	0.438864	2.345470	1.079	1.00009
40	0.444911	2.254910	1.035	1.00002
45	0.457575	2.185436	1.000	1.00000
50	0.464690	2.130408	0.971	1.00001
55	0.470760	2.085717	0.947	1.00005
60	0.476003	2.048634	0.926	1.00009

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50 1	0.079377	7530.048530	10.747	1.07239
2	0.134325	116.834303	5.762	1.04472
3	0.175528	30.568243	4.115	1.03039
4	0.207927	15.728232	3.307	1.02208
5	0.234310	10.534096	2.828	1.01681
6	0.256368	8.037387	2.511	1.01324
7	0.275187	6.605428	2.284	1.01068
8	0.291501	5.687516	2.113	1.00877
9	0.305825	5.052737	1.975	1.00731
10	0.318535	4.589035	1.871	1.00616
12	0.340177	3.958712	1.706	1.00448
14	0.358001	3.550927	1.536	1.00333
16	0.372997	3.265653	1.494	1.00252
18	0.385828	3.054823	1.420	1.00192
20	0.396957	2.892582	1.360	1.00148
25	0.419322	2.613571	1.248	1.00076
30	0.436276	2.435876	1.170	1.00033
35	0.449627	2.312503	1.111	1.00017
40	0.460441	2.221595	1.066	1.00006
45	0.469394	2.151974	1.030	1.00001
50	0.476938	2.096703	1.000	1.00000
55	0.483388	2.051794	0.975	1.00001
60	0.488969	2.014552	0.954	1.00003

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55 1	0.080145	7522.419235	10.870	1.07273
2	0.135736	116.614733	5.836	1.04516
3	0.177499	30.486773	4.173	1.03035
4	0.210397	15.675326	3.357	1.02254
5	0.237232	10.492092	2.874	1.01726
6	0.259703	8.000322	2.554	1.01367
7	0.278903	6.572003	2.325	1.01110
8	0.295570	5.656072	2.153	1.00917
9	0.310224	5.022619	2.019	1.00769
10	0.323243	4.559860	1.908	1.00652
12	0.345451	3.930661	1.742	1.00481
14	0.363780	3.523497	1.621	1.00364
16	0.379233	3.238564	1.527	1.00280
18	0.392479	3.027913	1.453	1.00217
20	0.403938	2.865751	1.392	1.00170
25	0.427178	2.586710	1.273	1.00094
30	0.444818	2.408835	1.199	1.00051
35	0.458750	2.285234	1.139	1.00026
40	0.470063	2.194134	1.093	1.00012
45	0.479451	2.124225	1.056	1.00005
50	0.487378	2.068733	1.026	1.00001
55	0.494168	2.023603	1.000	1.00000
60	0.500052	1.986165	0.978	1.00001

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60 1	0.080790	7516.123368	10.973	1.07302
2	0.136922	116.432703	5.900	1.04552
3	0.179156	30.419107	4.223	1.03123
4	0.212476	15.631337	3.401	1.02293
5	0.239694	10.457141	2.914	1.01764
6	0.262515	7.970377	2.591	1.01404
7	0.282040	6.544155	2.361	1.01146
8	0.299009	5.629860	2.187	1.00952
9	0.313945	4.957499	2.051	1.00803
10	0.327229	4.535499	1.941	1.00684
12	0.349923	3.907234	1.773	1.00511
14	0.368688	3.500570	1.651	1.00391
16	0.384536	3.215905	1.556	1.00304
18	0.398143	3.005391	1.481	1.00240
20	0.409982	2.843275	1.420	1.00191
25	0.433894	2.564171	1.305	1.00110
30	0.452137	2.386114	1.224	1.00063
35	0.466583	2.262291	1.164	1.00036
40	0.478341	2.171010	1.117	1.00019
45	0.488118	2.100826	1.080	1.00009
50	0.496388	2.045121	1.048	1.00003
55	0.503483	1.999794	1.022	1.00001
60	0.509641	1.962166	1.000	1.00000

CONFIDENCE LEVEL=.99
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.000015	64844.890735	1.0000	1.000000
2	0.000022	597.457255	0.501	1.00986
3	0.000026	142.402118	0.339	1.02134
4	0.000028	72.774152	0.261	1.03087
5	0.000029	49.592371	0.217	1.03741
6	0.000030	38.749937	0.189	1.04235
7	0.000031	32.646466	0.170	1.04592
8	0.000031	28.788691	0.156	1.04878
9	0.000032	26.151589	0.145	1.05107
10	0.000032	24.243160	0.137	1.05293
12	0.000032	21.677691	0.125	1.05578
14	0.000032	20.041272	0.117	1.05784
16	0.000033	18.912047	0.110	1.05941
18	0.000033	18.082176	0.106	1.06063
20	0.000033	17.452703	0.102	1.06162
25	0.000033	16.384427	0.096	1.06240
30	0.000033	15.717920	0.092	1.06459
35	0.000034	15.260394	0.089	1.06544
40	0.000034	14.926264	0.087	1.06608
45	0.000034	14.676623	0.085	1.06658
50	0.000034	14.477432	0.084	1.06698
55	0.000034	14.319003	0.083	1.06730
60	0.000034	14.185238	0.082	1.06757

CONFIDENCE LEVEL=.995
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.001674	45074.417924	1.995	1.00936
3	0.002506	398.599241	1.000	1.00000
3	0.002991	92.482972	0.676	1.00304
4	0.003297	46.348770	0.520	1.00798
5	0.003502	31.135636	0.431	1.01259
6	0.003648	24.071486	0.374	1.01650
7	0.003755	20.113659	0.335	1.01973
8	0.003838	17.620631	0.306	1.02241
9	0.003902	15.920603	0.284	1.02466
10	0.003954	14.693383	0.267	1.02655
12	0.004033	13.048680	0.243	1.02956
14	0.004089	12.002357	0.226	1.03183
16	0.004131	11.280657	0.213	1.03360
18	0.004164	10.753839	0.204	1.03501
20	0.004190	10.352827	0.196	1.03617
25	0.004236	9.673940	0.183	1.03830
30	0.004267	9.250167	0.174	1.03976
35	0.004289	8.960749	0.168	1.04082
40	0.004306	8.750649	0.164	1.04162
45	0.004318	8.591228	0.160	1.04225
50	0.004328	8.466168	0.158	1.04276
55	0.004337	8.365420	0.156	1.04318
60	0.004344	8.282565	0.154	1.04353

CONFIDENCE LEVEL=.995
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.007022	38749.840441	2.950	1.02184
	2 0.010813	334.325526	1.480	1.00304
	3 0.013148	76.056127	1.000	1.00000
	4 0.014692	37.598407	0.769	1.00128
	5 0.015771	25.000035	0.636	1.00366
	6 0.016560	19.176177	0.551	1.00616
	7 0.017158	15.923745	0.492	1.00848
	8 0.017626	13.880055	0.449	1.01055
	9 0.018001	12.489101	0.416	1.01237
	10 0.018308	11.486510	0.391	1.01397
	12 0.018780	10.145136	0.353	1.01660
	14 0.019124	9.293344	0.327	1.01868
	16 0.019387	8.706609	0.303	1.02034
	18 0.019593	8.278745	0.294	1.02170
	20 0.019760	7.953322	0.282	1.02283
	25 0.020062	7.402978	0.262	1.02496
	30 0.020265	7.059825	0.249	1.02645
	35 0.020411	6.825651	0.239	1.02755
	40 0.020521	6.655751	0.232	1.02840
	45 0.020606	6.526895	0.227	1.02906
	50 0.020675	6.425833	0.223	1.02960
	55 0.020731	6.344460	0.220	1.03005
	60 0.020778	6.277535	0.217	1.03043

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.013740	35798.309963	3.826	1.03097
	2 0.021576	303.307471	1.922	1.00798
	3 0.026597	63.062892	1.300	1.00128
	4 0.030029	33.302744	1.000	1.00000
	5 0.032491	21.970085	0.827	1.00064
	6 0.034333	16.748345	0.715	1.00194
	7 0.035757	13.838995	0.638	1.00341
	8 0.036889	12.014101	0.581	1.00496
	9 0.037803	10.773756	0.533	1.00622
	10 0.038569	9.880693	0.504	1.00747
	12 0.039754	8.687304	0.454	1.00964
	14 0.040633	7.930445	0.420	1.01143
	16 0.041310	7.409585	0.394	1.01290
	18 0.041847	7.030027	0.375	1.01413
	20 0.042284	6.741503	0.359	1.01517
	25 0.043086	6.253901	0.322	1.01718
	30 0.043631	5.950093	0.315	1.01861
	35 0.044025	5.742874	0.302	1.01969
	40 0.044324	5.592586	0.293	1.02052
	45 0.044558	5.478637	0.286	1.02118
	50 0.044747	5.389237	0.280	1.02173
	55 0.044902	5.317354	0.275	1.02218
	60 0.045021	5.258204	0.272	1.02256

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	1 0.020166	34153.138139	4.606	1.03741
	2 0.032118	285.511753	2.320	1.01259
	3 0.040000	63.407449	1.571	1.00366
	4 0.045516	30.777953	1.210	1.00064
	5 0.049558	20.178266	1.000	1.00000
	6 0.052633	15.306210	0.865	1.00036
	7 0.055044	12.596457	0.770	1.00113
	8 0.056982	10.898985	0.701	1.00206
	9 0.058573	9.746409	0.648	1.00302
	10 0.059901	8.917203	0.607	1.00395
	12 0.061991	7.810107	0.546	1.00567
	14 0.063559	7.108610	0.503	1.00716
	16 0.064779	6.626160	0.472	1.00843
	18 0.065755	6.274761	0.443	1.00951
	20 0.066552	6.007744	0.429	1.01045
	25 0.068027	5.556638	0.395	1.01229
	30 0.069040	5.275784	0.373	1.01363
	35 0.069778	5.084248	0.358	1.01466
	40 0.070339	4.945365	0.346	1.01546
	45 0.070780	4.840081	0.337	1.01611
	50 0.071137	4.757536	0.330	1.01664
	55 0.071430	4.691039	0.324	1.01703
	60 0.071676	4.636454	0.319	1.01746

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	1 0.025806	33128.586435	5.294	1.04225
	2 0.041543	274.126239	2.674	1.01650
	3 0.052148	60.387557	1.815	1.00616
	4 0.059707	29.126459	1.399	1.00194
	5 0.065333	18.999595	1.157	1.00036
	6 0.069669	14.353662	1.000	1.00000
	7 0.073107	11.773152	0.891	1.00022
	8 0.075897	10.158251	0.810	1.00071
	9 0.078205	9.062370	0.749	1.00133
	10 0.080146	8.274761	0.701	1.00200
	12 0.083226	7.223604	0.629	1.00331
	14 0.085561	6.557977	0.579	1.00452
	16 0.087390	6.100400	0.542	1.00539
	18 0.088861	5.767225	0.514	1.00654
	20 0.090071	5.514115	0.492	1.00736
	25 0.092323	5.086672	0.452	1.00903
	30 0.093880	4.820347	0.426	1.01028
	35 0.095022	4.639118	0.407	1.01124
	40 0.095893	4.507580	0.393	1.01201
	45 0.096581	4.407871	0.383	1.01263
	50 0.097138	4.329702	0.374	1.01314
	55 0.097598	4.266781	0.367	1.01357
	60 0.097983	4.215046	0.362	1.01394

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	0.030630	32439.475373	5.857	1.04592
1	0.049717	266.281498	2.988	1.01573
2	0.062799	58.281405	2.033	1.00848
3	0.072260	27.966203	1.563	1.00341
4	0.079387	18.167392	1.298	1.00113
5	0.084939	13.678656	1.123	1.00022
6	0.089381	11.188081	1.000	1.00000
7	0.093014	9.630661	0.910	1.00014
8	0.096039	8.574589	0.840	1.00043
9	0.098598	7.815595	0.786	1.00091
10	0.102687	6.803354	0.705	1.00188
12	0.105311	6.162660	0.648	1.00234
14	0.108275	5.722354	0.606	1.00373
16	0.110268	5.401319	0.574	1.00454
18	0.111913	5.158346	0.548	1.00527
20	0.114994	4.747239	0.503	1.00676
25	0.117139	4.491318	0.473	1.00731
30	0.118719	4.316856	0.452	1.00882
35	0.119930	4.190372	0.436	1.00954
40	0.120989	4.094497	0.424	1.01013
45	0.121665	4.019333	0.414	1.01062
50	0.122308	3.959830	0.406	1.01104
55	0.122849	3.909084	0.399	1.01140
60				

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	0.034735	31949.023413	6.428	1.04878
1	0.056752	260.578094	3.268	1.02241
2	0.072046	56.733955	2.227	1.01055
3	0.083236	27.103304	1.721	1.00486
4	0.091752	17.549391	1.426	1.00206
5	0.098442	13.175730	1.234	1.00071
6	0.103835	10.751115	1.099	1.00014
7	0.108274	9.235825	1.000	1.00000
8	0.111992	8.208730	0.924	1.00010
9	0.115151	7.470893	0.863	1.00033
10	0.120231	6.487136	0.774	1.00100
12	0.124139	5.864666	0.711	1.00174
14	0.127238	5.436965	0.665	1.00243
16	0.129757	5.125642	0.629	1.00316
18	0.131844	4.889184	0.600	1.00380
20	0.133572	4.489941	0.549	1.00513
25	0.138525	4.241409	0.516	1.00619
30	0.140555	4.071932	0.492	1.00703
35	0.142125	3.949143	0.474	1.00771
40	0.143367	3.856027	0.460	1.00827
45	0.144376	3.783023	0.449	1.00874
50	0.145212	3.724258	0.441	1.00914
55	0.145917	3.675939	0.433	1.00948
60				

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	0.0382239	31584.550664	6.896	1.05107
2	0.0628120	2556.259579	3.517	1.02466
3	0.080070	55.551515	2.402	1.01237
4	0.092819	26.449153	1.859	1.00622
5	0.102602	17.072769	1.542	1.00302
6	0.110344	12.786859	1.335	1.00133
7	0.116624	10.412422	1.190	1.00048
8	0.121821	8.929236	1.083	1.00010
9	0.126194	7.924299	1.000	1.00000
10	0.129926	7.202480	0.935	1.00007
12	0.135960	6.240382	0.838	1.00048
14	0.140628	5.631746	0.769	1.00103
16	0.144349	5.213596	0.718	1.00162
18	0.147385	4.909242	0.675	1.00220
20	0.149909	4.678080	0.648	1.00274
25	0.154683	4.287773	0.592	1.00393
30	0.158047	4.044737	0.555	1.00489
35	0.160342	3.879126	0.529	1.00567
40	0.162463	3.759007	0.509	1.00631
45	0.164000	3.667946	0.494	1.00684
50	0.165247	3.596548	0.482	1.00729
55	0.166282	3.539071	0.472	1.00767
60	0.167155	3.491809	0.464	1.00800

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.041250	31304.346633	7.311	1.05293
2	0.0680038	252.834196	3.739	1.02655
3	0.087059	54.619948	2.560	1.01397
4	0.101207	25.927370	1.984	1.00747
5	0.112143	16.694234	1.647	1.00395
6	0.120849	12.477213	1.427	1.00200
7	0.127949	10.142239	1.273	1.00091
8	0.133353	8.684270	1.159	1.00033
9	0.138341	7.696689	1.070	1.00007
10	0.143113	6.987475	1.000	1.00000
12	0.150052	6.042347	0.896	1.00018
14	0.155450	5.444527	0.823	1.00057
16	0.159771	5.033830	0.768	1.00103
18	0.163309	4.734902	0.725	1.00151
20	0.166260	4.507855	0.692	1.00197
25	0.171866	4.124470	0.631	1.00302
30	0.175832	3.885760	0.591	1.00339
35	0.178787	3.722993	0.563	1.00461
40	0.181074	3.604953	0.541	1.00521
45	0.182896	3.515466	0.525	1.00572
50	0.184383	3.445291	0.512	1.00615
55	0.185619	3.388794	0.501	1.00651
60	0.186662	3.342334	0.492	1.00683

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12 1	0.046131	309 04.077500	8.012	1.05578
2	0.076636	247.962563	4.120	1.02556
3	0.098369	53.248403	2.832	1.01660
4	0.115111	25.154665	2.201	1.00964
5	0.128039	16.131403	1.832	1.00567
6	0.138435	12.015408	1.589	1.00331
7	0.146986	9.738305	1.418	1.00188
8	0.154151	8.317295	1.292	1.00100
9	0.160247	7.355128	1.194	1.00048
10	0.165499	6.664347	1.116	1.00018
12	0.174095	5.743981	1.000	1.00000
14	0.180842	5.161894	0.918	1.00011
16	0.186284	4.761999	0.856	1.00035
18	0.190768	4.470906	0.808	1.00066
20	0.194528	4.249732	0.770	1.00093
25	0.201723	3.876303	0.701	1.00179
30	0.206857	3.643669	0.656	1.00250
35	0.210706	3.484984	0.623	1.00312
40	0.213701	3.369871	0.599	1.00364
45	0.216097	3.282569	0.580	1.00409
50	0.218058	3.214093	0.564	1.00447
55	0.219692	3.158952	0.552	1.00481
60	0.221076	3.113597	0.542	1.00510

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14 1	0.049397	306 33.624669	3.580	1.05784
2	0.083317	244.557468	4.432	1.03133
3	0.107604	52.289035	3.057	1.01868
4	0.126096	24.610616	2.383	1.01143
5	0.140674	15.733310	1.986	1.00716
6	0.152486	11.687634	1.726	1.00452
7	0.162268	9.450802	1.543	1.00284
8	0.170513	8.055483	1.406	1.00174
9	0.177565	7.110955	1.300	1.00103
10	0.183671	6.432942	1.216	1.00057
12	0.193727	5.529674	1.090	1.00011
14	0.201678	4.958394	1.000	1.00000
16	0.208130	4.565878	0.933	1.00007
18	0.213474	4.280109	0.880	1.00023
20	0.217975	4.062986	0.838	1.00045
25	0.226644	3.696139	0.763	1.00104
30	0.232874	3.467518	0.712	1.00162
35	0.237572	3.311499	0.675	1.00213
40	0.241243	3.198272	0.649	1.00259
45	0.244190	3.112371	0.627	1.00299
50	0.246610	3.044973	0.610	1.00333
55	0.248632	2.990634	0.596	1.00364
60	0.250347	2.946020	0.585	1.00391

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.052882	30439.605696	9.047	1.05941
2	0.088647	242.067431	4.692	1.03360
3	0.114855	51.581339	3.246	1.02034
4	0.134960	24.207197	2.527	1.01290
5	0.150917	15.437045	2.119	1.00843
6	0.163924	11.443018	1.844	1.00559
7	0.174753	9.235750	1.649	1.00373
8	0.183926	7.859271	1.504	1.00248
9	0.191806	6.927655	1.392	1.00162
10	0.198656	6.258972	1.302	1.00103
12	0.209996	5.368152	1.168	1.00035
14	0.221901	4.804696	1.072	1.00007
16	0.226373	4.417492	1.000	1.00000
18	0.232404	4.135529	0.944	1.00005
20	0.237670	3.921250	0.899	1.00016
25	0.247691	3.559064	0.817	1.00058
30	0.254940	3.333220	0.762	1.00103
35	0.260434	3.179015	0.722	1.00147
40	0.264742	3.067036	0.693	1.00186
45	0.268214	3.982082	0.669	1.00221
50	0.271071	3.915339	0.651	1.00252
55	0.273464	3.861632	0.635	1.00280
60	0.275498	2.817429	0.623	1.00304

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
13	0.055299	30294.089137	9.437	1.06063
2	0.092990	240.170001	4.911	1.03501
3	0.122079	51.038254	3.407	1.02170
4	0.142247	23.996306	2.668	1.01413
5	0.159369	15.208054	2.232	1.00951
6	0.173394	11.253514	1.945	1.00654
7	0.185123	9.068837	1.742	1.00454
8	0.195098	7.706735	1.590	1.00316
9	0.203697	6.784958	1.473	1.00220
10	0.211193	6.123367	1.379	1.00151
12	0.222366	5.241973	1.237	1.00066
14	0.233633	4.684417	1.136	1.00023
16	0.244807	4.301139	1.060	1.00005
18	0.248625	4.022057	1.000	1.00000
20	0.254417	3.809877	0.952	1.00003
25	0.265676	3.451090	0.865	1.00030
30	0.273868	3.227230	0.806	1.00065
35	0.280102	3.074300	0.764	1.00100
40	0.285010	2.963213	0.732	1.00134
45	0.289397	2.878365	0.707	1.00165
50	0.292247	2.812540	0.687	1.00193
55	0.294992	2.759262	0.670	1.00219
60	0.297330	2.715332	0.656	1.00240

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.057296	0.145217	0.7699	1.06162
21	0.009659	0.677552	0.0993	1.03617
22	0.012573	0.608578	0.5466	1.02283
23	0.014833	0.649480	0.7822	1.01517
24	0.016645	0.025806	0.3311	1.01045
25	0.018133	0.102405	0.0324	1.00736
26	0.019386	0.935330	0.8224	1.00527
27	0.020453	0.584746	0.6666	1.00380
28	0.021376	0.670700	0.5444	1.00274
29	0.022183	0.014671	0.4446	1.00197
30	0.023530	0.140653	0.2999	1.00098
31	0.024612	0.587673	0.1993	1.00045
32	0.025503	0.207514	0.1133	1.00016
33	0.026247	0.930552	0.0500	1.00003
34	0.026882	0.719967	0.0000	1.00000
35	0.027812	0.263730	0.9008	1.00003
36	0.029027	0.141327	0.8446	1.00039
37	0.030971	0.939309	0.3011	1.00069
38	0.032664	0.878830	0.7663	1.00096
39	0.030709	0.794909	0.7411	1.00123
40	0.031075	0.728994	0.7119	1.00148
45	0.031383	0.675848	0.7022	1.00170
50	0.031646	0.632036	0.687	1.00191

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.061033	0.778133	0.4111	1.06340
26	0.010337	0.049924	0.4666	1.03830
27	0.013308	0.346394	0.8200	1.02496
28	0.015990	0.209600	0.0009	1.01719
29	0.017996	0.99968	0.5300	1.01225
30	0.019659	0.831560	0.2144	1.00903
31	0.021064	0.656092	0.9899	1.00676
32	0.022272	0.365234	0.6200	1.00513
33	0.023333	0.464767	0.6399	1.00393
34	0.024245	0.818476	0.5844	1.00302
35	0.025797	0.957290	0.4266	1.00179
36	0.027055	0.412211	0.3111	1.00104
37	0.028097	0.037286	0.2334	1.00058
38	0.028976	0.763373	0.1366	1.00030
39	0.029728	0.556045	0.0004	1.00013
40	0.031211	0.203934	0.0000	1.00000
45	0.032307	0.983731	0.9331	1.00007
50	0.033383	0.833099	0.8881	1.00022
55	0.034370	0.723461	0.8433	1.00040
60	0.034824	0.640090	0.8136	1.00058
	0.035208	0.574544	0.7866	1.00076
	0.035537	0.521551	0.7699	1.00094
		0.478066	0.752	1.00110

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.0063628	29861.3314153	10.875	1.06459
20	0.0108106	234.3341399	5.735	1.03676
30	0.0144647	49.3463348	4.023	1.02645
40	0.0168065	22.9196227	3.179	1.01861
50	0.0188545	14.4843333	2.680	1.01366
60	0.0207445	10.6513355	2.350	1.01028
70	0.0222652	8.5368411	2.115	1.00731
80	0.0233777	7.3218922	1.939	1.00619
90	0.0244723	6.5327252	1.802	1.00489
100	0.0255735	5.6872333	1.692	1.00389
110	0.0267444	4.9342588	1.525	1.00250
120	0.0278839	4.3294162	1.404	1.00162
130	0.0288000	3.8222436	1.314	1.00103
140	0.0295863	3.4531400	1.240	1.00065
150	0.0301833	3.1445043	1.182	1.00039
160	0.0305145	2.8955273	1.137	1.00007
170	0.0307671	2.6876285	1.100	1.00000
180	0.0309389	2.5172614	0.946	1.00004
190	0.0311660	2.3666355	0.905	1.00001
200	0.0313533	2.2533682	0.872	1.00002
210	0.0315193	2.1668201	0.846	1.00003
220	0.0316713	2.1053117	0.824	1.00005
230	0.0318193	2.061706	0.805	1.00006

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.0065533	29775.293427	11.225	1.06544
40	0.0111593	2333.1422758	5.940	1.04082
50	0.0146506	49.9334322	4.179	1.02755
60	0.0174129	22.4114176	3.510	1.01939
70	0.0196686	14.331257	2.796	1.01466
80	0.0215558	10.5233933	2.456	1.01124
90	0.0231653	8.423280	2.214	1.00893
100	0.0245331	7.114436	2.033	1.00703
110	0.0257790	6.2228398	1.891	1.00567
120	0.0268601	5.5532511	1.777	1.00461
130	0.0278694	4.7459411	1.605	1.00311
140	0.0288197	4.209246	1.480	1.00211
150	0.0296456	3.839751	1.384	1.00144
160	0.0303527	3.570123	1.309	1.00100
170	0.0309532	3.364782	1.248	1.00068
180	0.0314570	3.016437	1.135	1.00032
190	0.0318805	2.798073	1.057	1.00004
200	0.0322760	2.648255	1.000	1.00000
210	0.0326283	2.539003	0.956	1.00003
220	0.0329341	2.455770	0.921	1.00009
230	0.0331933	2.390213	0.893	1.00017
240	0.0334462	2.337226	0.870	1.00026
250	0.0336883	2.293500	0.850	1.00036

CONFIDENCE LEVEL = .995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	1 0.066990	29712.371844	11.499	1.06608
	2 0.114277	232.255839	6.101	1.04162
	3 0.150246	49.731066	4.302	1.02840
	4 0.178808	22.561029	3.415	1.02052
	5 0.202210	14.216880	2.890	1.01546
	6 0.221849	10.428239	2.542	1.01201
	7 0.238642	9.338214	2.295	1.00954
	8 0.253220	7.036070	2.109	1.00771
	9 0.266028	6.155055	1.964	1.00631
	10 0.277396	5.522615	1.847	1.00521
	11 0.287747	4.679443	1.770	1.00364
	12 0.312669	4.145203	1.542	1.00259
	14 0.326046	3.777253	1.444	1.00136
	16 0.337472	3.508654	1.366	1.00134
	20 0.347363	3.303935	1.303	1.00096
	25 0.357180	3.956557	1.235	1.00040
	30 0.382132	2.738522	1.105	1.00014
	35 0.393855	2.588775	1.046	1.00003
	40 0.403311	2.479475	1.000	1.00000
	45 0.411112	2.396123	0.964	1.00002
	50 0.417663	2.330473	0.934	1.00006
	55 0.423247	2.277233	0.909	1.00012
	60 0.428064	2.233599	0.888	1.00019

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	1 0.068141	29664.386133	11.719	1.06658
	2 0.116393	231.573373	6.231	1.04225
	3 0.153212	48.528421	4.402	1.02906
	4 0.182527	22.442483	3.500	1.02118
	5 0.206608	14.128210	2.966	1.01611
	6 0.226867	10.353961	2.613	1.01263
	7 0.244230	8.272115	2.361	1.01013
	8 0.259334	6.975119	2.172	1.00827
	9 0.272632	6.097572	2.024	1.00634
	10 0.283457	5.467533	1.905	1.00572
	11 0.300469	4.627559	1.725	1.00409
	12 0.321298	4.095163	1.594	1.00299
	14 0.335366	3.728370	1.494	1.00221
	16 0.347355	3.460508	1.414	1.00165
	20 0.357795	3.256335	1.350	1.00123
	25 0.378775	3.909496	1.230	1.00058
	30 0.394685	2.691621	1.147	1.00025
	35 0.407204	2.541844	1.085	1.00009
	40 0.417341	2.432427	1.032	1.00002
	45 0.425729	2.343913	1.000	1.00000
	50 0.432790	2.283046	0.969	1.00001
	55 0.438825	2.229730	0.943	1.00005
	60 0.444040	2.185673	0.921	1.00009

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.069072	26.601254	11.8999	0.06698
3	0.118117	23.103197	6.3339	0.04276
4	0.155622	23.367207	4.485	0.02960
5	0.188553	22.348013	3.571	0.02173
6	0.210193	21.057460	3.030	0.01664
7	0.234879	19.294635	2.672	0.01314
8	0.264335	18.219277	2.416	0.01062
9	0.297804	16.926353	2.225	0.00874
10	0.335902	15.551533	2.075	0.00729
11	0.378113	14.223498	1.955	0.00647
12	0.423841	13.054933	1.772	0.00447
13	0.472300	12.054933	1.633	0.00333
14	0.523553	11.289073	1.537	0.00252
15	0.576663	10.719531	1.456	0.00199
16	0.631837	10.287131	1.390	0.00168
17	0.688818	9.935145	1.263	0.00138
18	0.747515	9.653340	1.183	0.00107
19	0.807801	9.429947	1.130	0.00086
20	0.869552	9.250090	1.077	0.00066
21	0.932771	9.109390	1.032	0.00050
22	0.996411	9.000334	1.000	0.00040
23	1.060496	8.911034	0.973	0.00031
24	1.125054	8.83801	0.951	0.00023

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.069841	29.59206	12.050	0.06730
3	0.119540	26.592101	6.429	0.04318
4	0.157618	23.233005	4.555	0.03005
5	0.188806	22.709963	3.631	0.02188
6	0.213170	21.399633	3.084	0.01708
7	0.235365	20.246661	2.722	0.01357
8	0.255200	19.176073	2.464	0.01104
9	0.272851	18.233643	2.270	0.00914
10	0.288556	17.397336	2.113	0.00767
11	0.302509	16.637313	1.997	0.00651
12	0.315056	15.935133	1.812	0.00548
13	0.326437	15.282007	1.677	0.00464
14	0.336944	14.656730	1.574	0.00380
15	0.346241	14.059917	1.492	0.00318
16	0.354713	13.486368	1.425	0.00270
17	0.362566	12.934007	1.301	0.00234
18	0.369924	12.402394	1.214	0.00206
19	0.376753	11.891313	1.150	0.00183
20	0.383112	11.400839	1.100	0.00163
21	0.389055	10.930223	1.060	0.00145
22	0.394540	10.488823	1.027	0.00130
23	0.399631	10.075902	1.000	0.00117
24	0.404393	9.689024	0.977	0.00106

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.070487	29570.9335377	12.173	1.06757
	2 0.120736	230.227673	6.505	1.04353
	3 0.159298	48.126905	4.614	1.03043
	4 0.190179	22.206923	3.682	1.02256
	5 0.215682	13.951643	3.130	1.01746
	6 0.237245	10.205311	2.765	1.01394
	7 0.255814	8.140039	2.504	1.01140
	8 0.272035	6.853216	2.309	1.00948
	9 0.286385	5.982467	2.156	1.00800
	10 0.299192	5.357263	2.033	1.00683
	12 0.321172	4.523328	1.846	1.00510
	14 0.339441	3.994452	1.710	1.00391
	16 0.354934	3.629795	1.605	1.00304
	18 0.368280	3.363264	1.523	1.00240
	20 0.379927	3.159920	1.456	1.00191
	25 0.403541	2.813343	1.330	1.00110
	30 0.421637	2.536099	1.242	1.00063
	35 0.436015	2.445994	1.177	1.00036
	40 0.447748	2.336097	1.126	1.00019
	45 0.457525	2.252052	1.085	1.00009
	50 0.465809	2.185630	1.052	1.00003
	55 0.472926	2.131772	1.024	1.00001
	60 0.479112	2.087196	1.000	1.00000

CONFIDENCE LEVEL=.995
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
1	1621138.207261	1.0000	1.000000	
2	991.190897	0.5002	1.000773	
3	423.051303	0.3336	1.017433	
4	168.474393	0.2555	1.025000	
5	99.738947	0.2008	1.030664	
6	71.222991	0.178	1.034372	
7	56.242130	0.159	1.038131	
8	47.436921	0.144	1.040689	
9	41.683800	0.133	1.042722	
10	37.627226	0.124	1.044391	
11	33.448918	0.111	1.046955	
12	29.183709	0.103	1.048881	
13	26.964217	0.0938	1.050224	
14	25.423784	0.0852	1.051311	
15	24.3324287	0.087	1.052199	
16	22.3338570	0.082	1.053790	
17	21.1592356	0.077	1.054955	
18	20.338769	0.075	1.055618	
19	19.771949	0.073	1.056183	
20	19.364449	0.070	1.056663	
21	18.978313	0.070	1.056983	
22	18.753152	0.068	1.057277	
23	18.499475	0.068	1.057511	

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
2	0.000334	0.063990	1.9999	1.000773
3	0.000500	0.003676	1.0000	1.000000
4	0.000599	0.254030	0.6700	1.002511
5	0.000663	0.889934	0.5009	1.006751
6	0.000707	0.173330	0.4116	1.010822
7	0.000738	0.352814	0.3556	1.014333
8	0.000761	0.400202	0.3151	1.017274
9	0.000779	0.786454	0.2835	1.019773
10	0.000793	0.123208	0.2622	1.021800
11	0.000804	0.567706	0.2444	1.023555
12	0.000821	0.267223	0.2133	1.026333
13	0.000833	0.246099	0.2001	1.028444
14	0.000843	0.989656	0.1883	1.030033
15	0.000849	0.919719	0.1793	1.031404
16	0.000855	0.193124	0.1707	1.032477
17	0.000865	0.986948	0.1577	1.034455
18	0.000871	0.249852	0.1488	1.035800
19	0.000876	0.753518	0.1422	1.036783
20	0.000879	0.396942	0.1388	1.037522
21	0.000883	0.129473	0.1334	1.038100
22	0.000888	0.919153	0.1322	1.038577
23	0.000888	0.751454	0.1299	1.038966
24	0.000887	0.614018	0.1277	1.039288

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
3	1 0.002362	963395.689596	2.983	1.01743
	2 0.003646	1669.144862	1.493	1.00251
	3 0.004450	224.701141	1.000	1.00000
	4 0.004992	86.317042	0.760	1.00112
	5 0.005377	49.653468	0.620	1.00327
	6 0.005660	34.712662	0.530	1.00557
	7 0.005876	27.039247	0.469	1.00773
	8 0.006045	22.497283	0.422	1.00967
	9 0.006182	19.541352	0.383	1.01138
	10 0.006293	17.483586	0.361	1.01289
	12 0.006464	14.832357	0.322	1.01539
	14 0.006589	13.213106	0.295	1.01737
	16 0.006684	12.133527	0.275	1.01895
	18 0.006758	11.354114	0.260	1.02024
	20 0.006818	10.774743	0.248	1.02132
	25 0.006927	9.814476	0.228	1.02334
	30 0.006999	9.228572	0.214	1.02476
	35 0.007052	8.334534	0.205	1.02580
	40 0.007091	8.551763	0.198	1.02659
	45 0.007121	8.338998	0.193	1.02722
	50 0.007146	8.173174	0.188	1.02774
	55 0.007166	8.040337	0.185	1.02816
	60 0.007182	7.931554	0.182	1.02851

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
4	1 0.005934	885852.587311	3.923	1.02500
	2 0.009335	1508.352838	1.964	1.00675
	3 0.011535	200.301837	1.217	1.00112
	4 0.013136	76.124157	1.000	1.00000
	5 0.014265	43.421099	0.816	1.00059
	6 0.015117	30.150648	0.697	1.00180
	7 0.015779	23.355646	0.614	1.00318
	8 0.016306	19.345027	0.554	1.00457
	9 0.016735	16.739280	0.503	1.00587
	10 0.017091	14.923150	0.472	1.00707
	12 0.017646	12.593833	0.420	1.00916
	14 0.018057	11.178931	0.384	1.01089
	16 0.018372	10.229227	0.357	1.01231
	18 0.018624	9.551335	0.337	1.01350
	20 0.018823	9.045533	0.321	1.01451
	25 0.019202	8.207369	0.293	1.01644
	30 0.019456	7.696553	0.275	1.01783
	35 0.019639	7.353369	0.263	1.01886
	40 0.019778	7.107169	0.253	1.01966
	45 0.019836	6.922042	0.246	1.02030
	50 0.019974	6.777319	0.240	1.02082
	55 0.020045	6.662320	0.236	1.02125
	60 0.020105	6.567754	0.232	1.02162

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
5	0.010039	841903.296512	4.7955	1.03064
1	0.016083	1415.176854	2.405	1.01082
2	0.020140	185.990814	1.613	1.00327
3	0.023030	70.100813	1.226	1.00059
4	0.025177	39.719451	1.000	1.00000
5	0.026824	27.431165	0.854	1.00034
6	0.028123	21.155265	0.752	1.00108
7	0.029172	17.456497	0.678	1.00197
8	0.030034	15.057536	0.621	1.00289
9	0.030756	13.392150	0.577	1.00380
10	0.031893	11.253181	0.512	1.00547
12	0.032747	9.952213	0.467	1.00692
14	0.033411	9.081335	0.434	1.00816
16	0.033943	8.461447	0.409	1.00922
18	0.034377	7.998400	0.389	1.01014
20	0.035180	7.232433	0.354	1.01193
25	0.035731	6.766080	0.331	1.01324
30	0.036132	6.452952	0.315	1.01424
35	0.036437	6.228423	0.303	1.01502
40	0.036676	6.059650	0.294	1.01565
45	0.036870	5.923203	0.287	1.01616
50	0.037029	5.822966	0.281	1.01659
55	0.037162	5.736816	0.276	1.01696
60				

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
6	0.014063	8142936.817357	5.591	1.02488
1	0.0228004	133355.295169	2.809	1.01433
2	0.0288003	176.679965	1.887	1.00557
3	0.033167	68.152246	1.435	1.00180
4	0.036435	37.280424	1.171	1.00034
5	0.039013	25.632646	1.000	1.00000
6	0.041054	19.695260	0.881	1.00021
7	0.042718	16.201179	0.793	1.00069
8	0.044099	13.937530	0.727	1.00129
9	0.045260	12.367736	0.675	1.00194
10	0.047113	10.035354	0.598	1.00322
12	0.048518	9.128934	0.544	1.00444
14	0.049620	8.311413	0.505	1.00547
16	0.050507	7.729215	0.475	1.00640
18	0.051236	7.294538	0.452	1.00721
20	0.052595	6.575948	0.410	1.00885
25	0.053535	6.138736	0.383	1.01008
30	0.054223	5.845308	0.363	1.01102
35	0.054749	5.634976	0.349	1.01177
40	0.055163	5.476915	0.338	1.01238
45	0.055499	5.353839	0.330	1.01288
50	0.055776	5.255313	0.323	1.01330
55	0.056008	5.174670	0.317	1.01366
60				

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
7	1	795663.744872	6.310	1.03813
	2	1313.987056	3.178	1.01727
	3	170.182650	2.138	1.00773
	4	63.377324	1.628	1.00318
	5	35.558145	1.329	1.00108
	6	24.358220	1.135	1.00021
	7	18.657943	1.000	1.00000
	8	15.307390	0.901	1.00014
	9	13.138864	0.825	1.00047
	10	11.636012	0.765	1.00089
	12	9.709470	0.677	1.00184
	14	8.539182	0.616	1.00279
	16	7.758443	0.571	1.00367
	18	7.202705	0.537	1.00447
	20	6.787945	0.510	1.00519
	25	6.102600	0.461	1.00667
	30	5.635821	0.430	1.00780
	35	5.406197	0.408	1.00869
	40	5.205303	0.391	1.00940
	45	5.055245	0.379	1.00999
	50	4.938023	0.369	1.01047
	55	4.844193	0.360	1.01088
	60	4.767401	0.354	1.01123

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
8	1	782295.364106	6.959	1.04068
	2	1283.975147	3.514	1.01973
	3	165.412409	2.368	1.00967
	4	61.326945	1.805	1.00457
	5	34.280028	1.475	1.00197
	6	23.409459	1.260	1.00069
	7	17.883814	1.110	1.00014
	8	14.639070	1.000	1.00000
	9	12.540631	0.916	1.00010
	10	11.087245	0.849	1.00033
	12	9.225330	0.751	1.00098
	14	8.095131	0.683	1.00172
	16	7.341571	0.633	1.00245
	18	6.805347	0.594	1.00315
	20	6.405266	0.563	1.00376
	25	5.744404	0.509	1.00508
	30	5.342655	0.474	1.00612
	35	5.073176	0.449	1.00696
	40	4.880087	0.430	1.00763
	45	4.735026	0.416	1.00818
	50	4.622097	0.404	1.00865
	55	4.531709	0.395	1.00904
	60	4.457737	0.387	1.00938

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
9	0.023978	772547.509131	7.544	1.04272
1	0.039804	1261.287900	3.818	1.02180
2	0.051174	161.772476	2.578	1.01138
3	0.059740	59.753443	1.967	1.00587
4	0.066412	33.295367	1.609	1.00289
5	0.071748	22.676449	1.376	1.00129
6	0.076110	17.284404	1.212	1.00047
7	0.079741	14.120669	1.092	1.00010
8	0.082809	12.075913	1.000	1.00000
9	0.085437	10.660421	0.927	1.00007
10	0.087701	8.848100	0.820	1.000047
11	0.089301	7.748602	0.745	1.000102
12	0.090566	7.015757	0.690	1.000161
13	0.091782	6.494459	0.647	1.000213
14	0.092962	6.105600	0.613	1.000272
15	0.103039	5.463433	0.553	1.000390
16	0.105447	5.073145	0.514	1.000485
17	0.107237	4.811392	0.486	1.000563
18	0.108619	4.623855	0.466	1.000626
19	0.109719	4.492973	0.450	1.000679
20	0.110613	4.373303	0.437	1.000723
25	0.111359	4.285526	0.427	1.000761
30	0.111986	4.213693	0.418	1.000794

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
10	0.026555	764992.925695	8.071	1.04439
1	0.044311	1243.593059	4.095	1.02355
2	0.057196	158.909681	2.770	1.01289
3	0.066988	58.509607	2.117	1.00707
4	0.074671	32.514309	1.733	1.00380
5	0.080856	22.093529	1.482	1.00194
6	0.085940	16.806784	1.307	1.00089
7	0.090194	13.706934	1.178	1.00033
8	0.093805	11.704526	1.073	1.00007
9	0.096909	10.318929	1.000	1.00000
10	0.101973	9.545686	0.884	1.00013
11	0.105928	7.470332	0.803	1.00056
12	0.109104	6.753905	0.743	1.00102
13	0.111710	6.244358	0.697	1.00150
14	0.113889	5.864325	0.660	1.00196
15	0.118035	5.236843	0.595	1.00300
20	0.120975	4.855339	0.552	1.00387
25	0.123168	4.599833	0.521	1.00459
30	0.124867	4.416636	0.489	1.00519
35	0.126223	4.279017	0.481	1.00566
40	0.127329	4.171887	0.467	1.00611
45	0.128249	4.086144	0.456	1.00648
50	0.129027	4.015975	0.447	1.00679

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
12	1 0.030852	754243.757405	8.980	1.04695
	2 0.051902	1217.880241	4.577	1.02633
	3 0.067420	154.705967	3.107	1.01539
	4 0.079372	56.671572	2.380	1.00916
	5 0.088864	31.355143	1.953	1.00547
	6 0.096585	21.225648	1.673	1.00323
	7 0.102992	16.093897	1.476	1.00184
	8 0.108397	13.088139	1.331	1.00098
	9 0.113019	11.148113	1.219	1.00047
	10 0.117018	9.806550	1.131	1.00018
	11 0.120597	8.090844	1.000	1.00000
	12 0.123597	7.051149	0.903	1.00011
	13 0.126136	6.358690	0.839	1.00035
	14 0.128786	5.866377	0.786	1.00066
	15 0.131457	5.499271	0.744	1.00098
	16 0.134150	4.893245	0.670	1.00173
	17 0.136880	4.523025	0.620	1.00250
	18 0.139651	4.278095	0.535	1.00311
	19 0.142463	4.101130	0.555	1.00362
	20 0.145315	3.963274	0.533	1.00408
	21 0.148207	3.364807	0.522	1.00446
	22 0.151139	3.781990	0.509	1.00480
	23 0.154125	3.714211	0.498	1.00509

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
14	1 0.0334261	747024.209842	9.733	1.04981
	2 0.057984	1200.174231	4.981	1.02344
	3 0.075682	151.776040	3.392	1.01737
	4 0.089454	55.381140	2.605	1.01039
	5 0.100490	30.537270	2.141	1.00692
	6 0.109542	20.611030	1.837	1.00447
	7 0.117107	15.587567	1.623	1.00279
	8 0.123530	12.647582	1.464	1.00172
	9 0.129056	10.751165	1.343	1.00102
	10 0.133862	9.440376	1.245	1.00056
	11 0.138211	7.764840	1.102	1.00011
	12 0.141849	6.749954	1.000	1.00000
	13 0.145306	6.074205	0.924	1.00007
	14 0.148752	5.593848	0.856	1.00023
	15 0.152122	5.235689	0.819	1.00045
	16 0.156206	4.644453	0.736	1.00104
	17 0.161732	4.285198	0.680	1.00162
	18 0.167066	4.044252	0.641	1.00213
	19 0.172005	3.871600	0.612	1.00259
	20 0.176453	3.741878	0.589	1.00298
	21 0.180426	3.640875	0.570	1.00333
	22 0.184076	3.560021	0.555	1.00363
	23 0.187477	3.493841	0.543	1.00390

CONFIDENCE LEVEL=.999
SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
16	0.037013	741875.544866	10.363	1.05021
2	0.062934	1187.282389	5.324	1.03008
3	0.082450	149.621715	3.635	1.01895
4	0.097759	54.426731	2.798	1.01231
5	0.110116	29.929934	2.304	1.00916
6	0.120316	20.153253	1.979	1.00547
7	0.128892	15.209542	1.751	1.00367
8	0.136211	12.318010	1.581	1.00245
9	0.142536	10.453714	1.450	1.00161
10	0.148062	9.165579	1.346	1.00102
11	0.152765	7.519582	1.191	1.00035
12	0.156463	6.522901	1.082	1.00007
13	0.159570	5.859382	1.000	1.00000
14	0.162107	5.387754	0.937	1.00005
15	0.164222	5.036107	0.886	1.00016
16	0.165982	4.455587	0.795	1.00053
17	0.168292	4.102733	0.734	1.00104
18	0.169913	3.866114	0.691	1.00147
19	0.202522	3.696490	0.659	1.00186
20	0.205433	3.569019	0.634	1.00221
21	0.207834	3.469750	0.613	1.00253
22	0.209842	3.390270	0.597	1.00280
23	0.211553	3.325205	0.583	1.00304

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
18	0.039274	738034.933696	10.899	1.05131
2	0.067026	1177.487022	5.615	1.03140
3	0.088074	147.973234	3.845	1.02034
4	0.104691	53.692891	2.966	1.01350
5	0.118183	29.461416	2.446	1.00922
6	0.129379	20.789231	2.104	1.00640
7	0.138334	14.916614	1.863	1.00447
8	0.146943	12.062204	1.684	1.00313
9	0.153977	10.222508	1.546	1.00219
10	0.160145	8.951713	1.436	1.00150
11	0.165763	7.322929	1.272	1.00066
12	0.170463	6.345504	1.155	1.00023
13	0.175606	5.691291	1.063	1.00005
14	0.181341	5.226283	1.000	1.00000
15	0.196222	4.379560	0.946	1.00003
16	0.205758	4.307101	0.848	1.00030
17	0.212729	3.959110	0.783	1.00065
18	0.218052	3.725608	0.736	1.00100
19	0.222225	3.558211	0.701	1.00134
20	0.225653	3.432333	0.674	1.00165
21	0.228463	3.334372	0.652	1.00193
22	0.230824	3.255384	0.634	1.00213
23	0.232837	3.191619	0.619	1.00240

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
20	0.0041160	735068.7655898	11.357	1.05219
1	0.0070457	1159.826597	5.869	1.03247
2	0.0092810	146.672258	4.027	1.02132
3	0.0105511	53.111430	3.113	1.01451
4	0.0125035	29.089158	2.571	1.01014
5	0.0137089	19.517360	2.214	1.00721
6	0.0147320	14.692994	1.963	1.00516
7	0.0156122	11.857903	1.775	1.00376
8	0.0163784	10.037630	1.631	1.00272
9	0.0170523	8.780317	1.515	1.00196
10	0.0178184	7.8174897	1.433	1.00098
11	0.0189099	6.9203018	1.321	1.00045
12	0.0198566	6.2036099	1.229	1.00016
13	0.0204937	5.6962653	1.057	1.00003
14	0.0210377	4.753378	1.000	1.00000
15	0.0221053	4.187163	0.897	1.00013
16	0.0228899	3.842867	0.827	1.00039
17	0.0233491	3.611775	0.773	1.00066
18	0.0239682	3.446058	0.740	1.00096
19	0.0243550	3.321459	0.711	1.00123
20	0.0246755	3.221333	0.687	1.00148
21	0.0249454	3.146626	0.668	1.00171
22	0.0251758	3.082947	0.652	1.00191

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
25	0.0044736	729974.657478	12.259	1.05379
1	0.0077700	1156.386702	6.372	1.03445
2	0.0101890	144.372253	4.333	1.02334
3	0.0121844	52.073016	3.409	1.01644
4	0.0133266	28.425148	2.925	1.01163
5	0.0142069	19.013188	2.544	1.00883
6	0.0148635	14.426494	2.167	1.00667
7	0.0153832	11.490966	1.964	1.00508
8	0.0158303	9.705027	1.807	1.00350
9	0.0162095	8.472074	1.682	1.00300
10	0.0165363	7.6897808	1.494	1.00173
11	0.0168111	6.945090	1.339	1.00104
12	0.0170443	6.310943	1.253	1.00058
13	0.0172317	4.860070	1.179	1.00030
14	0.0173825	4.523311	1.115	1.00013
15	0.0175199	3.968275	1.000	1.00000
16	0.0176179	3.630193	0.922	1.00007
17	0.0176937	3.403086	0.866	1.00022
18	0.0177541	3.240100	0.823	1.00040
19	0.0178035	3.117465	0.790	1.00059
20	0.0178447	3.021356	0.763	1.00077
21	0.0178795	2.945229	0.741	1.00094
22	0.0179093	2.883441	0.722	1.00110

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
30	0.047251	726757.996903	12.921	1.054835
1	0.0081634	1147.698147	6.746	1.03580
2	0.108359	142.870028	4.663	1.02476
3	0.129928	51.398982	3.634	1.01783
4	0.147796	27.987041	3.019	1.01324
5	0.162900	18.679490	2.614	1.01008
6	0.175876	13.986287	2.326	1.00780
7	0.187173	11.246939	2.112	1.00612
8	0.197116	9.483406	1.945	1.00485
9	0.205950	8.266194	1.812	1.00387
10	0.220993	6.712294	1.613	1.00250
11	0.233361	5.771949	1.470	1.00162
12	0.243737	5.145945	1.362	1.00104
13	0.252582	4.700324	1.277	1.00065
14	0.260222	4.368745	1.209	1.00039
15	0.2675467	3.813830	1.084	1.00007
16	0.286903	3.465499	1.000	1.00000
17	0.3095819	3.260720	0.939	1.00004
18	0.3302975	3.093277	0.856	1.00014
19	0.308851	2.977715	0.856	1.00026
20	0.313766	2.882875	0.826	1.00038
21	0.317939	2.806818	0.801	1.00051
22	0.321527	2.744463	0.781	1.00064

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
35	0.049114	724550.347690	13.427	1.05561
1	0.0085081	1141.629156	7.034	1.03673
2	0.113191	141.881283	4.882	1.02580
3	0.135992	50.919046	3.809	1.01886
4	0.154968	27.676463	3.172	1.01424
5	0.171077	19.442336	2.751	1.01102
6	0.184973	13.788452	2.453	1.00869
7	0.197115	11.072940	2.230	1.00696
8	0.207840	9.323155	2.056	1.00563
9	0.217399	8.113991	1.913	1.00459
10	0.233749	6.570343	1.710	1.00311
11	0.247265	5.647615	1.560	1.00213
12	0.258658	5.027265	1.447	1.00147
13	0.268413	4.586071	1.358	1.00100
14	0.276872	4.256835	1.286	1.00063
15	0.293851	3.712351	1.153	1.00022
16	0.306681	3.380449	1.065	1.00004
17	0.316744	3.157123	1.000	1.00000
18	0.324863	2.996599	0.950	1.00003
19	0.331558	2.875642	0.911	1.00009
20	0.337178	2.781214	0.879	1.00017
21	0.341966	2.703440	0.853	1.00026
22	0.346095	2.643281	0.830	1.00036

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
40	0.050547	44.415345	13.825	1.05618
2	0.087743	1137.154040	7.263	1.03752
3	0.116935	141.023391	5.052	1.02659
4	0.140703	50.561970	3.951	1.01966
5	0.160554	27.444864	3.296	1.01502
6	0.177463	18.265270	2.863	1.01177
7	0.192093	13.640456	2.553	1.00940
8	0.204914	10.942613	2.326	1.00763
9	0.216270	9.206491	2.148	1.00626
10	0.226417	8.008499	2.005	1.00519
11	0.234383	6.479367	1.790	1.00363
12	0.240329	5.533366	1.635	1.00259
13	0.24466	4.927743	1.513	1.00186
14	0.248104	4.493395	1.426	1.00134
15	0.250187	4.172203	1.351	1.00095
16	0.250863	3.930347	1.214	1.00040
17	0.252656	3.700603	1.121	1.00014
18	0.253371	3.507825	1.052	1.00003
19	0.254269	3.391323	1.000	1.00000
20	0.255008	3.279765	0.950	1.00000
21	0.255632	3.170343	0.925	1.00000
22	0.256166	3.062778	0.897	1.00001
23	0.256627	2.956593	0.873	1.00019

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
45	0.051683	721725.204956	14.149	1.05663
2	0.089359	1133.719437	7.449	1.03810
3	0.119929	140.424516	5.192	1.02722
4	0.144466	50.285335	4.067	1.02030
5	0.165026	27.265546	3.357	1.01565
6	0.182535	18.127947	3.055	1.01238
7	0.197814	13.525382	2.641	1.00990
8	0.211192	10.841353	2.406	1.00813
9	0.223066	9.114211	2.224	1.00670
10	0.233699	7.922303	2.078	1.00569
11	0.243199	6.401441	1.857	1.00408
12	0.251672	5.480875	1.699	1.00299
13	0.258018	4.867739	1.573	1.00221
14	0.263134	4.431590	1.434	1.00165
15	0.267107	4.105927	1.407	1.00123
16	0.270773	3.856687	1.266	1.00059
17	0.273582	3.623780	1.169	1.00026
18	0.275474	3.401606	1.098	1.00009
19	0.276549	3.285645	1.043	1.00002
20	0.277220	3.236034	1.000	1.00000
21	0.277811	3.164190	0.965	1.00001
22	0.278314	3.066287	0.935	1.00005
23	0.278715	2.950418	0.911	1.00009

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
50	0.052606	720768.878863	14.415	1.05698
1	0.091532	1131.001234	7.603	1.03857
2	0.122351	139.944456	5.303	1.02774
3	0.147540	50.066316	4.163	1.02082
4	0.168685	27.122614	3.483	1.01616
5	0.186782	18.013369	3.033	1.01288
6	0.202510	13.433332	2.713	1.01047
7	0.216352	10.750412	2.474	1.00865
8	0.228660	9.040394	2.288	1.00723
9	0.239700	7.853668	2.139	1.00611
10	0.258745	6.338938	1.915	1.00446
11	0.274656	5.422234	1.753	1.00333
12	0.283205	4.811608	1.630	1.00252
13	0.299907	4.377032	1.533	1.00193
14	0.310137	4.052603	1.455	1.00148
15	0.330932	3.513293	1.310	1.00077
16	0.346876	3.187092	1.211	1.00038
17	0.359555	2.965790	1.138	1.00017
18	0.369900	2.806400	1.081	1.00006
19	0.378515	2.686068	1.037	1.00001
20	0.385908	2.591950	1.000	1.00000
25	0.392069	2.516317	0.970	1.00001
30	0.397504	2.454170	0.944	1.00003

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
55	0.053371	719999.939225	14.638	1.05727
1	0.093301	11239.796812	7.733	1.03896
2	0.124373	139.553933	5.406	1.02816
3	0.150098	49.887333	4.245	1.02125
4	0.171734	27.006023	3.555	1.01659
5	0.190284	17.923303	3.099	1.01320
6	0.206433	13.353863	2.775	1.01088
7	0.220667	10.694233	2.532	1.00904
8	0.233344	8.930014	2.344	1.00761
9	0.244730	7.797321	2.193	1.00648
10	0.264411	6.237313	1.965	1.00430
11	0.280397	5.371133	1.800	1.00362
12	0.294962	4.755430	1.675	1.00280
13	0.307136	4.332303	1.577	1.00218
14	0.317301	4.003732	1.497	1.00171
15	0.339533	3.472823	1.349	1.00094
16	0.356275	3.145262	1.248	1.00051
17	0.369626	2.924255	1.173	1.00026
18	0.380549	2.765006	1.115	1.00012
19	0.389668	2.644705	1.069	1.00005
20	0.397406	2.550573	1.031	1.00001
25	0.404061	2.474373	1.000	1.00000
30	0.409350	2.412651	0.973	1.00001

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

DF	C-1	C-2	A-2/A-1	REDUCTION
60	1 0.054014	71 366.136303	1 4.8227	1 .05751
2	0.0594215	11 26.973301	1 7.844	1 .03928
3	0.1226079	13 9.230197	5 .490	1 .02351
4	0.1552259	14 9.733709	4 .316	1 .02162
5	0.1743133	26 .909103	3 .617	1 .01696
6	0.1933249	17 .854480	3 .156	1 .01366
7	0.2097588	13 .896464	2 .838	1 .01223
8	0.2243229	10 .639115	2 .582	1 .00938
9	0.2373222	8 .929631	2 .392	1 .00794
10	0.2490006	7 .750346	2 .239	1 .00679
11	0.2692366	6 .245116	2 .008	1 .00509
12	0.2862218	5 .333976	1 .843	1 .00390
13	0.3000732	4 .726951	1 .715	1 .00304
14	0.3113321	4 .294355	1 .615	1 .00240
15	0.3243365	3 .972075	1 .534	1 .00191
16	0.3346923	3 .457225	1 .384	1 .00140
17	0.3464370	3 .110159	1 .281	1 .00064
18	0.3578318	2 .839373	1 .204	1 .00035
19	0.3689753	2 .730133	1 .145	1 .00019
20	0.3793311	2 .609379	1 .098	1 .00009
21	0.407470	2 .515696	1 .060	1 .00003
22	0.414432	2 .453920	1 .027	1 .00001
23	0.420591	2 .377609	1 .000	1 .00000

CONFIDENCE LEVEL=.999
 SHORTEST UNBIASED CONFIDENCE INTERVAL

APPENDIX B

ILLUSTRATIONS

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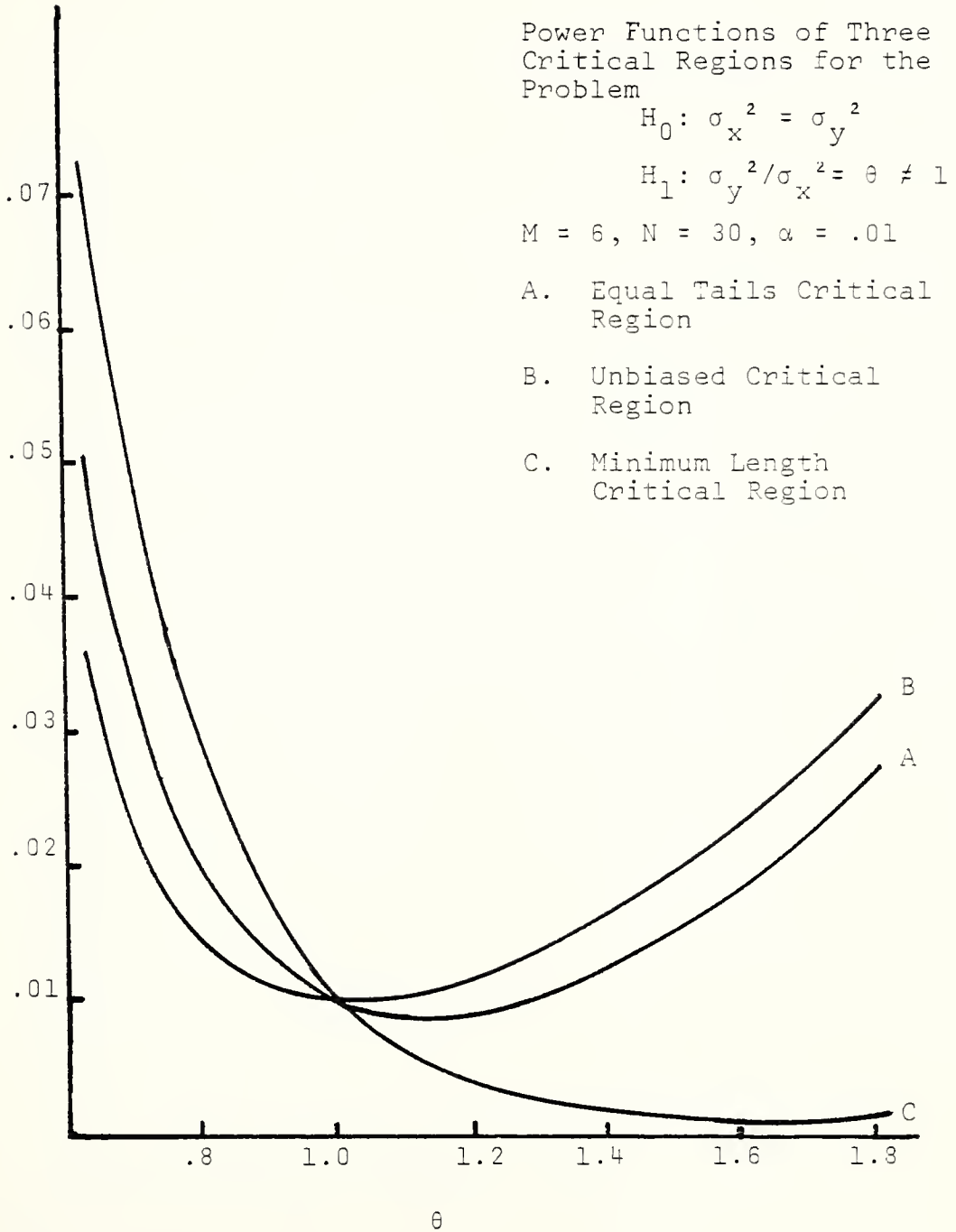
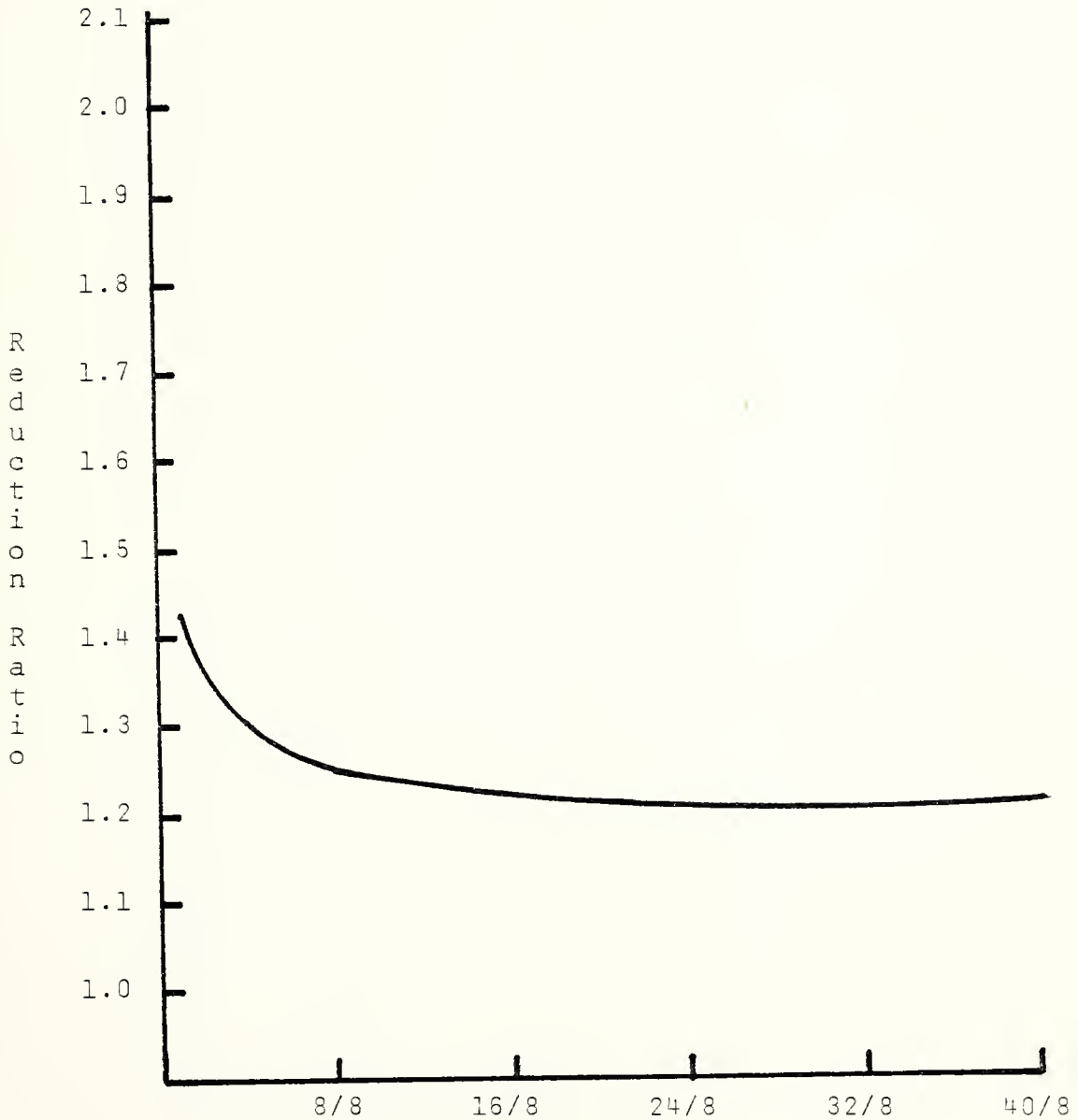


Figure 1

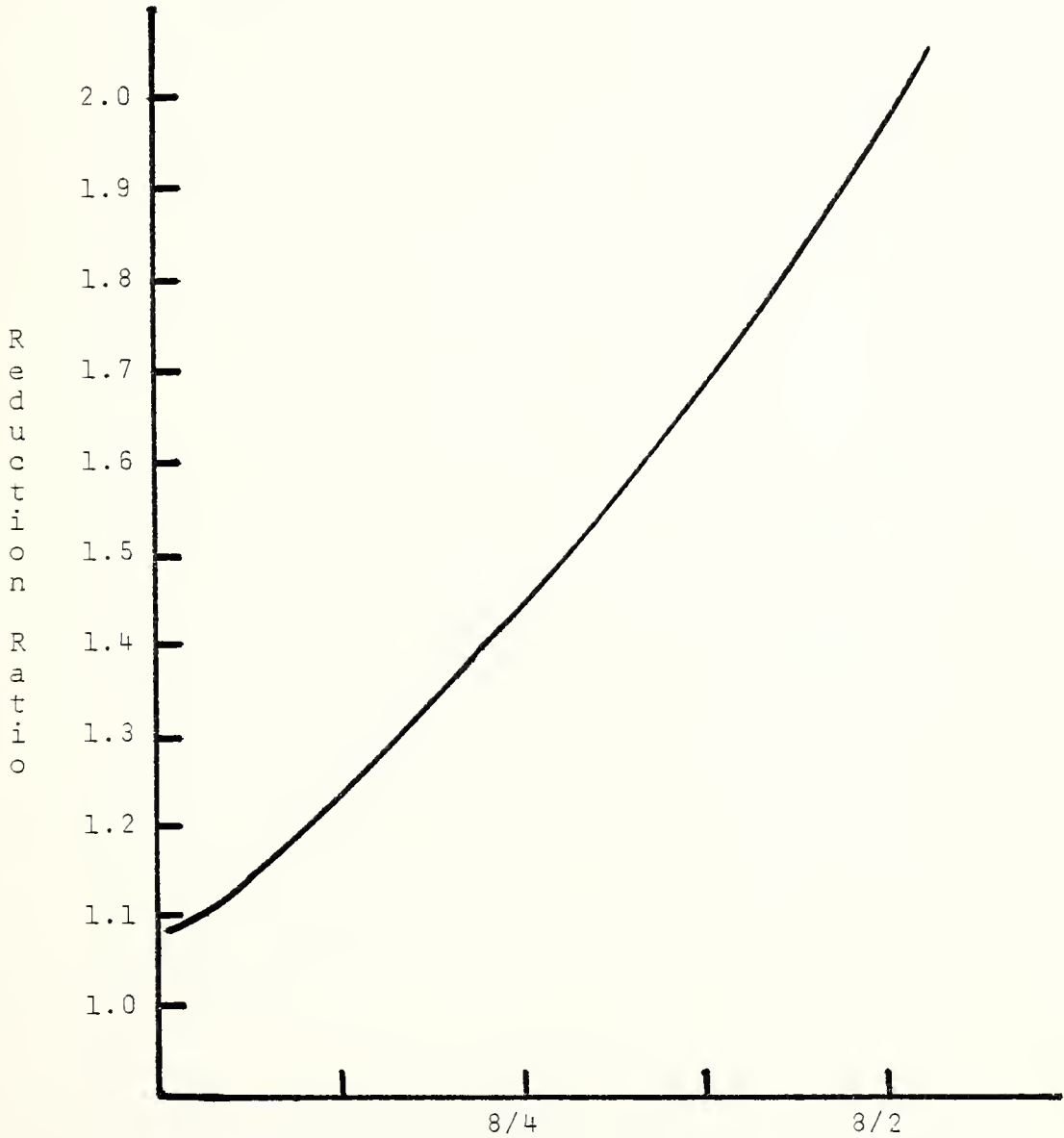
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 2

Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Variances in
Lieu of Equal Tail Interval



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 3

Optimal Distribution of Tail Area for the Minimum Length Confidence Interval for the Ratio of Two Variances

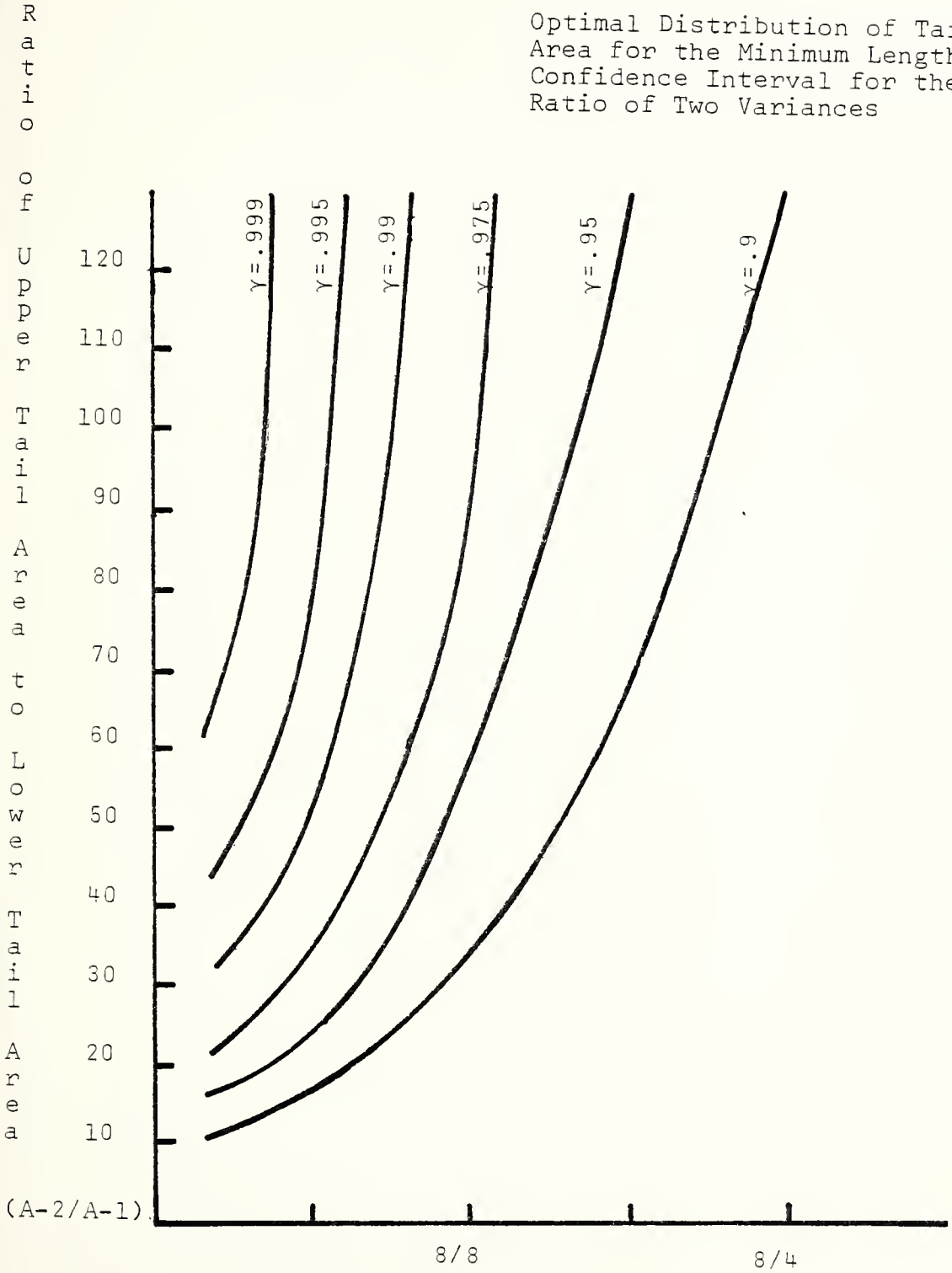
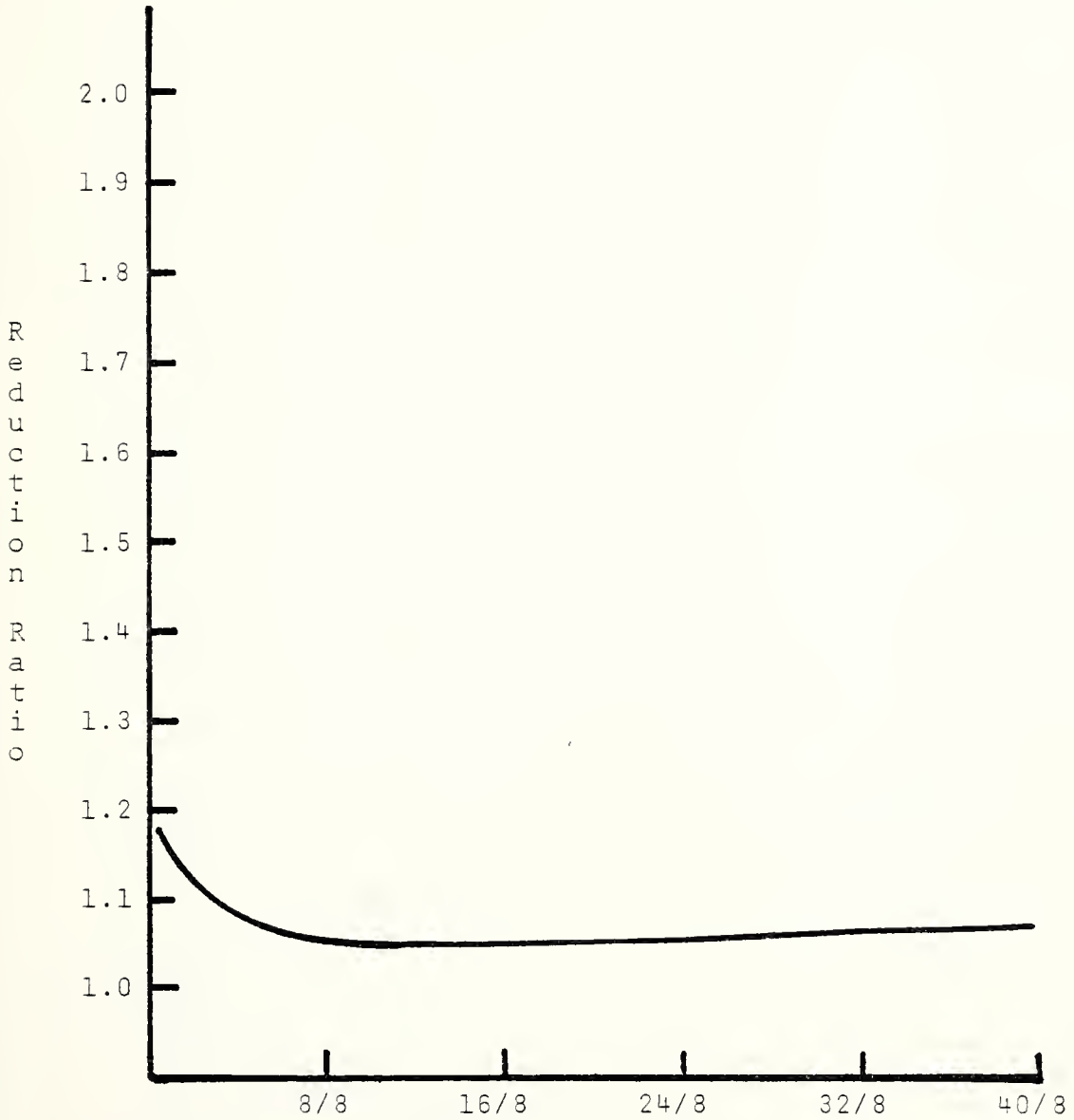


Figure 4

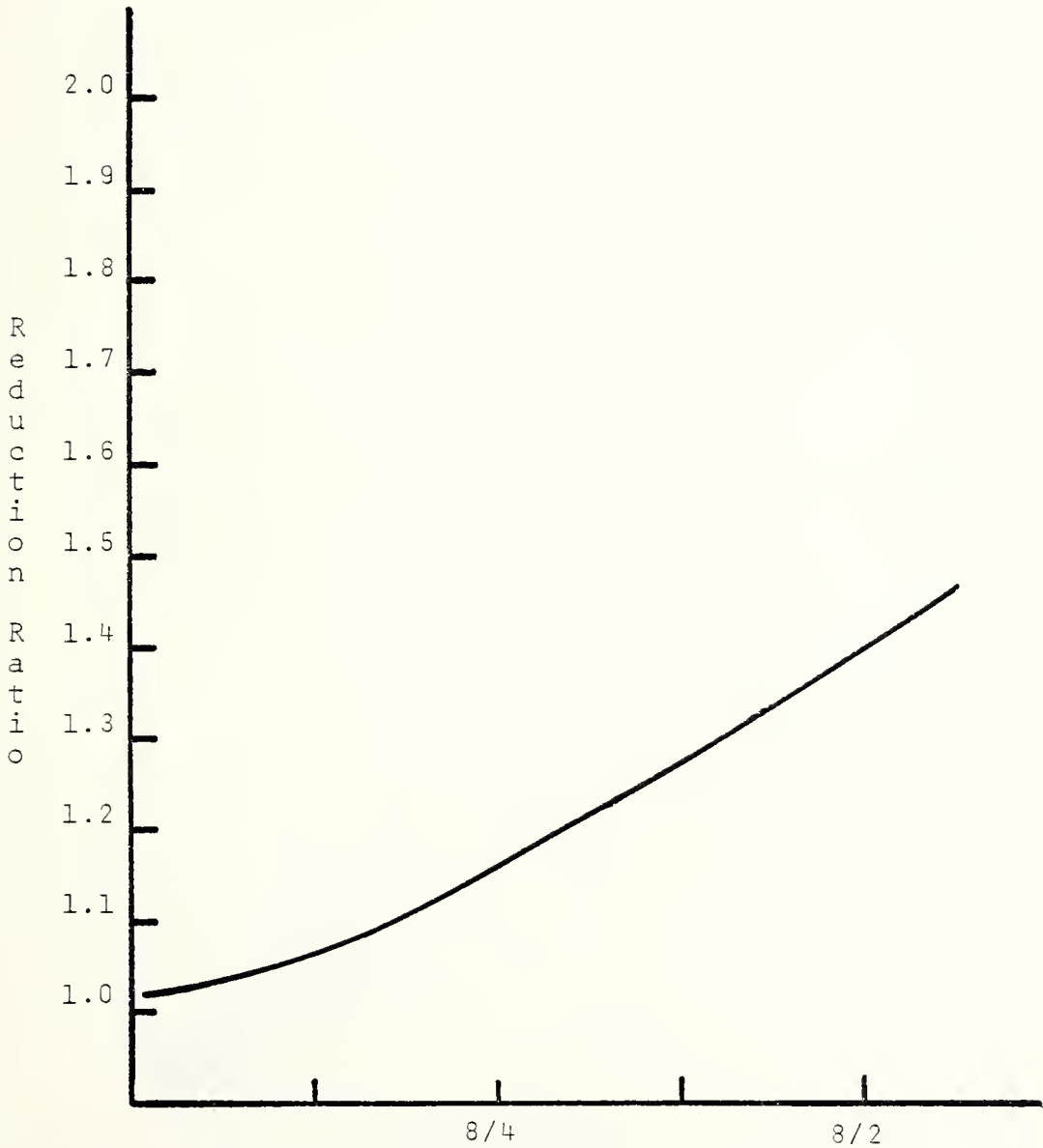
Reduction Ratio Resulting from
Use of Minimum Length Interval
for the Ratio of Standard
Deviations in Lieu of Equal
Tail Interval



Ratio of Degrees of Freedom (M/N); N Fixed at 8; $\alpha = .05$

Figure 5

Reduction Ratio Resulting from
Use of Minimum Length Interval
for Ratio of Standard Deviations
in Lieu of Equal Tails



Ratio of Degrees of Freedom (M/N); M Fixed at 8; $\alpha = .05$

Figure 6

Optimal Distribution of Tail
Area for the Ratio of Two
Standard Deviations

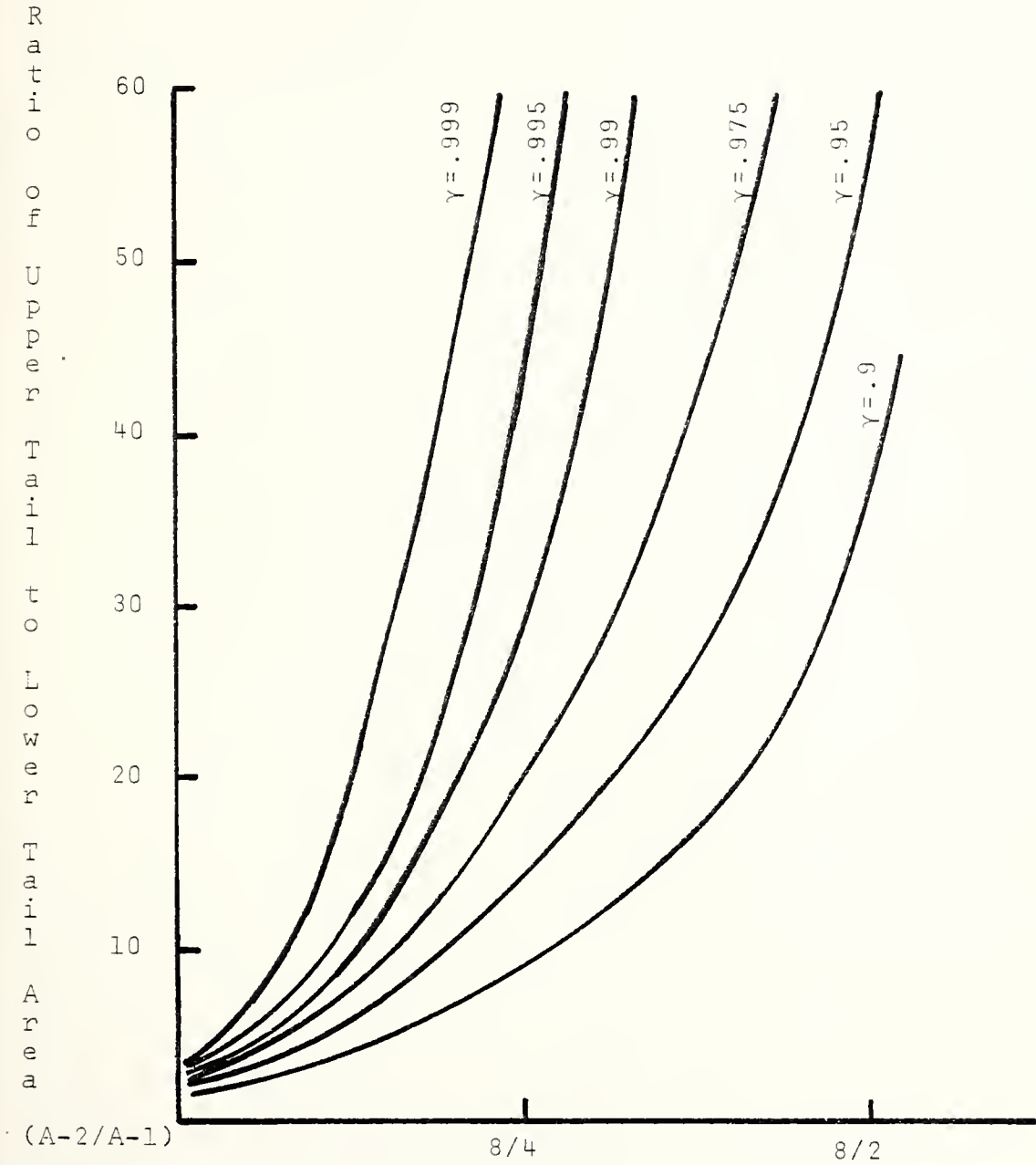


Figure 7

APPENDIX C
MATHEMATICAL DERIVATIONS

This thesis solved three parameterizations of the same non-linear programming problem. They were

$$(1) \phi_1 = C2 - C1$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

$$(2) \phi_2 = \sqrt{C2} - \sqrt{C1}$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

$$(3) \phi_3 = \log \left[\frac{C2}{C1} \right]$$

$$\text{Subject to: } \int_{C1}^{C2} h_{M,N}(x) dx = \gamma$$

After some study, it was found that each of these problems was unimodal and continuous over the range of a single, arbitrary decision variable, $C1$. Because of these properties, the problems could have been solved by either the golden section search scheme or the bisection search method. The published values in Appendix A were obtained as solutions from the bisection search method.

The bisection procedure used was as follows. An interval of the decision variable was suspected of containing the optimal value. In this thesis, the suspected interval was always $(0, H_{M,N}^{-1}(1-\gamma))$. The interval being searched was then split in half (bisected), and the sign of the derivative for the objective function was evaluated there. The derivatives of the three objective functions with respect to the decision variable $C1$ were:

$$(1) \frac{d\phi_1}{dC1} = \frac{\partial \phi_1}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_1}{\partial C1} \cdot \frac{dC1}{dC1}$$

$$= \frac{dC2}{dC1} - 1$$

$$(2) \frac{d\phi_2}{dC1} = \frac{\partial \phi_2}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_2}{\partial C1} \cdot \frac{dC1}{dC1}$$

$$= \frac{1}{2} (C2)^{-\frac{1}{2}} \cdot \frac{dC2}{dC1} - \frac{1}{2} (C1)^{-\frac{1}{2}} \cdot 1$$

$$(3) \frac{d\phi_3}{dC1} = \frac{\partial \phi_3}{\partial C2} \cdot \frac{dC2}{dC1} + \frac{\partial \phi_3}{\partial C1} \cdot \frac{dC1}{dC1}$$

$$= \frac{1}{C2} \cdot \frac{dC2}{dC1} - \frac{1}{C1} \cdot 1$$

Since $\frac{dC1}{dC1}$ is the identity, the only remaining unknown in the derivations is $\frac{dC2}{dC1}$. This was then found by applying Leibniz' Rule and the Implicit Function Theorem to the constraint equation. The result was:

$$\int_{C1}^{C2} h_{M,N}(x) dx = \int_{C1}^{C2} K \frac{(x)^{\frac{M}{2}-1}}{[N+M \cdot x]^{\frac{M+N}{2}}} dx = \gamma$$

$$\text{and } \frac{dC2}{dC1} = \left[\frac{C1}{C2} \right]^{\frac{M}{2}-1} \cdot \left[\frac{N+M \cdot C2}{N+M \cdot C1} \right]^{\frac{M+N}{2}}$$

If, upon evaluation, the value of the appropriate derivative was positive, then the midpoint was chosen as the new upper bound on the search interval. Of course, if it was negative, this point became the lower bound on the search interval. This process was continued until the length of the search interval was less than a prescribed tolerance factor. For this thesis, this factor was 10^{-8} . Once the length of the search interval was less than this, the midpoint of the interval remaining was selected as the solution to C1. Once the optimal value of C1 was fixed, the probability in the lower tail (i.e., the area under the F density curve between 0 and C1) was determined. Subtracting this probability from $1-\gamma$ yielded the probability in the upper tail. Substituting this value into $H_{N,M}^{-1}$ gave $\frac{1}{C2}$ which, when inverted, resulted in the published value for C2.

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